

## **Appendix A**

# **North Carolina Wetlands Summary**



## North Carolina Wetlands Summary

*“The land ethic simply enlarges the boundaries of the community to include soils, waters, plants, and animals, or collectively: the land.”—Aldo Leopold*

### North Carolina Wetlands Overview

Wetlands are part of that community of which Leopold describes in which water plays a crucial role. A wetland is a geological formation that describes an area that is often wet but may not be wet all the time. According to a North Carolina State University publication, Protecting your wetlands, Wetlands are covered by shallow water part of year and have soils indicative of wet conditions and contain plants that are specially adapted to wet conditions. Wetlands are more than marshes and swamps and bogs. They are found in every county in North Carolina, with wetlands occurring from the coast to mountains, they can be found in wide flat areas, in depressions and between water and dry land such as along streams, rivers, lakes and estuaries. (NC State University Cooperative Extension Service. “Protecting Your Wetlands”)

### Wetlands of North Carolina

Type	Description	Plants associated
Salt/Brackish Marsh	Any salt marsh or Marsh subject to flooding either regular or occasionally by tides including wind tides.	Cordgrasses, salt and sea grasses, bulrush, sea lavender, needlerush and glasswort
Estuarine Shrub/Scrub	Any shrub dominated community subject to flooding either regular or occasionally by tides including wind tides.	Wax myrtle, eastern red cedar
Estuarine Forest	A forested wetland community subject to flooding either regular or occasionally by tides including wind tides.	Pine dominated with rushes
Maritime Forest	A forested community with its growth stunted due to the stresses of nearby salt spray from the ocean.	Live oak, red maple, swamp tupelo
Freshwater Marsh	Grassy areas flooded for extended periods during the growing season, included are marshes associated with lakes, managed impoundments, some Carolina Bays and non-tidal marshes.	Sedges, millets, arrowhead, pickerelweed, arrow arum smartweed, giant cane
Pocosin	Marshy shrub communities that typically occur in saturated, acid, nutrient poor, sandy or peaty soils; at some distance from large streams; and may be subject to periodic burning.	Evergreen shrubs

<b>Type</b>	<b>Description</b>	<b>Plants associated</b>
Bottomland Hardwood	Riverine forested or occasionally shrub communities in seasonally floodplains.	Oaks, sweet gums, green ash, river birch, cottonwoods
Swamp Forest	Very poorly drained riverine or non-riverine forested or occasionally shrubs communities that are semi-permanently flooded, including temporarily flooded depressional systems.	Cypress, black gum, water tupelo, green ash
Headwater Swamp	Wooded riverine systems along small streams. Soils are moist most of the year. Channels receive their water overland flow and rarely overflow their banks.	Hardwood dominated communities
Hardwood Flat	Poorly drained interstream flats not associated with rivers or estuaries; they are seasonally saturated by high water table or poor drainage.	Generally include Sweet gum and red maple
Pine Flat	Pine communities located in seasonally saturated soils that might become dry for part of the year. They generally occur in nearly flat areas not associated with a river or stream system,	Loblolly Pine

Wetlands serve an important function as biological filters that remove sediments and pollutants from surface waters. They also serve as a natural sponges reducing flooding by slowing discharging excess water back into streams or groundwater table. Wetlands are biologically rich and often contain a greater diversity of plants and animals that is found in drier habitats. They are excellent habitat for many kinds of waterfowl, shorebirds, and songbirds and are important as amphibian and fish spawning and rearing areas.

In addition, wetlands provide recreational opportunities more detail on recreational outlets will be discussed later in this appendix. Now suffice to say that a majority of Americans enjoy hiking, hunting, fishing, bird watching or photographing nature and wildlife. These activities would be greatly diminished if it were not for wetlands.

Historically, natural wetlands dominated floodplains and river deltas, and most level land in the coastal plain. From the time colonization began in of our state, North Carolina had 7.2 million acres of wetlands. Since that time, wetlands have been drained for agriculture, forestry, flood control, road construction and urban development. (US Department of Interior) Now about half of the remaining acreage that was once wetlands still exists. According to the most recent figures available, about 5.1 million acres of North Carolina –close to 17 percent of the state –is still wetland. The coastal plain contains 95 percent of the state’s wetlands. (US Geological Survey. National Water Summary on Wetland Resources)

## **Wetland Status and Trends**

*“Wetlands are important to our nation’s heritage, economy and wildlife –especially when it comes to coastal communities, when a study shows that area four times the size of Miami is disappearing every year, it underscores the importance of strengthening our collective efforts to improve wetland management, to reduce losses and to ensure costal infrastructure and resources are protected.”—Sally Jewell, U.S. Secretary of the Interior*

Most of North Carolina’s wetlands are located in coastal watersheds, it goes without saying that the loss of coastal wetlands that Secretary Jewell refers to also includes wetland loss in North Carolina. *Status and Trends of Wetlands in the Coastal Watersheds of the Conterminous United States 2004-2009*, a report produced by U.S. Department of the Interior, Fish and Wildlife Service and National Oceanic and Atmospheric Administration, National Marine Fisheries Service examined wetland losses on the Pacific, Atlantic and Gulf of Mexico coasts and along the Great Lakes. It determined that an estimated 80,000 acres of coastal wetlands are being lost on average each year, up from 60,000 acres lost a year during the previous study.

The report goes on to say, the Atlantic coast region experienced a net loss of wetlands between the years 2004-2009 at roughly about 112,000 acres. The report attributes much of the loss and degradation of wetlands in coastal watersheds to population pressures and conversion of wetlands to urban or silvicultural uses. This assault on wetlands is likely to continue as population continues to increase in coastal watersheds with an estimate that one quarter of the land area under the nation’s coastal watersheds will be developed by 2015 (Dahl 2013). This development will further degrade wetlands by changes in water flow, increased pollution and habitat fragmentation.

## **Wetland Types which should Receive Priority for Acquisition**

Criteria developed in the late 1980s and early 1990’s by U.S. Department of Interior under the National Wetland Conservation Plan are still relevant today. Broadly stated the plan’s criterion for developing priority system for acquiring wetland acreage should be based on three goals.

Consideration for acquisition of wetlands should be those wetland types that are:

- Rare or have declined rapidly within the state,
- Subject to loss or degradation by an identifiable threat, or
- Sites with diverse and important functions and values.

Under these broad goals of wetland protection, the Fish and Wildlife Service has provided more details to what types of wetlands should be acquired through the National Coastal Wetlands Conservation Grant Program FY 2015 grant guidelines. The guidelines give eleven attributes for which a wetland acquisition for conservation and protection should include. The table below lists these qualities.

**Criteria for Determining Priority for Acquisition of Wetlands**

<b>Benefit</b>	<b>Acquisition Criteria</b>
<b>Wetlands conservation</b>	Will the acquisition reverse coastal wetland loss or habitat degradation in decreasing or stable coastal wetland types?
<b>Maritime forests on coastal barriers</b>	Will the acquisition significantly benefit maritime forests on coastal barriers?
<b>Long-term conservation</b>	Will the acquisition ensure long-term (at least 20 years) conservation of coastal wetland functions?
<b>Coastal watershed management</b>	Will the completed acquisition help accomplish the natural resource goals and objectives of one or more formal, ongoing coastal watershed management plan or effort?
<b>Conservation of threatened and endangered species</b>	Will the acquisition benefit any federally listed endangered or threatened species, species proposed for Federal listing, recently delisted species or designated or proposed critical habitat in coastal wetlands? Will it benefit State-listed species?
<b>Benefits to fish</b>	Will the acquisition provide, restore or enhance important fisheries habitat?
<b>Benefits to coastal-dependent or migratory birds</b>	Will the acquisition provide, restore, or enhance important habitat for coastal-dependent or migratory birds?
<b>Prevent or reduce contamination</b>	Will the acquisition prevent or reduce input of contaminants to the coastal wetlands and associated coastal waters that are already contaminated?
<b>Catalyst for future conservation</b>	Will the project leverage other ongoing coastal wetlands conservation efforts in an area or provide additional impetus for conservation?
<b>Partners in conservation</b>	Will the acquisition receive financial support, including in-kind match, from private, local or other Federal interests?
<b>Education/outreach program or wildlife-oriented recreation</b>	Is the project designed to increase environmental awareness and develop support for coastal wetlands conservation? Does it provide recreational opportunities that are consistent with the conservation goals of the site?

## **Tools to Manage Wetlands**

The North Carolina Wetland Conservation Plan is a strategy for the state to achieve no net loss and other wetland management goals by integrating both regulatory and non-regulatory approaches to protecting wetlands. North Carolina Division of Water Resources (NC DWR) with assistance for US EPA Wetland Program Development Grant crafted the plan. The plan addresses North Carolina's wetland program development plans for the next five years (2014-2018) and incorporate all four core elements of the Environmental Protection Agency's (EPA) Wetlands Program Framework (Monitoring and Assessment, Voluntary Restoration and Protection, Regulation, and Water Quality standards for wetlands). Below is a summary of the plan along with additional efforts going towards wetlands management.

### ***Monitoring and Assessment***

NC DWR wetland monitoring and assessment work in North Carolina has monitored wetlands for over nine years and has collected state wide wetland data at 184 sites from 2004-2013 of which could be categorized into ten types of wetlands. The data collected includes GIS/land use analysis, rapid assessments, water quality, soils, hydrology, and biological surveys of vegetation, amphibians, and macroinvertebrates.

NC DWR also worked with the state's in Lieu fee program, NC Ecosystem Enhancement Program (NC EEP), mitigation bankers and others involved in designing, developing and managing mitigation projects to gather data about wetlands. For compensatory mitigation projects, monitoring and assessment reports are submitted on an annual basis for a minimum of five to seven years. NC EEP utilizes a watershed-based planning process, while working with state and federal agencies, private companies and land trust to obtain the best possible return from their restoration, enhancement and protection projects. NC EEP has been monitoring the progress and success of its more than 580 projects aimed at conserving, restoring or enhancing around 30,000 acres of wetlands since the late 1990's. Also, North Carolina participated in the EPA's National Wetland Condition Assessment wetland survey in 2011 and is working collaboratively with South Carolina, Georgia and Alabama to apply a regional emphasis to wetland monitoring.

### ***Voluntary Restoration and Protection***

Voluntary restoration and protection can help maintain, increase and or improve the amount and function and or condition of the state's wetlands. Voluntary restoration and protection in North Carolina is encouraged and implemented on federal, state, local, and public-private partnership levels. At the federal level agencies like the United States Department of Agriculture (USDA), Fish and Wildlife Service (USFW), Army Corps of Engineers (USACE) work to provide opportunities for voluntary restoration and protection of wetlands. The USDA's Natural Resources Conservation Services (NRCS) Wetland Reserve Program is one such program. The program enrolls landowners to receive incentives for restoring, enhancing and protecting wetlands. Passed by Congress in 1989, the North American Wetlands Conservation Act (NAWCA) is an incentive-based, landowner-friendly program that fosters the development of public-private partnerships to protect North America's migratory bird habitat.

At the state level there are several state programs which provide opportunities for individuals or groups to aid in the state's goals of wetland restoration and protection. Some of the ways involve donation of land or placement of a parcel of land under an easement or contract, as with the Wildlife Resources Commission (WRC), Wildlife Conservation Program, Division of Coastal Management (DCM) the NC Conservation Tax credit Program, NC Division of Soil and Water Conservation and Clean Water Management Trust Fund. While other programs focus on focus on planning efforts. Two such efforts are Division of Coastal Management (DCM) Wetland Conservation Plan and WRC *Conservation Recommendations for Priority Terrestrial Wildlife Species and Habitats in North Carolina*.

The Division of Coastal Management identified the need for a wetlands conservation plan in 1992, when it found that the state could not determine the amount, type, location, and loss/gain trends of freshwater wetlands in the 20 coastal counties. To address these weaknesses, DCM developed a Wetlands Conservation Plan for the coastal area. The primary purpose of the plan is to provide detailed wetlands information to local, state, and federal governments, businesses, non-profit organizations and the public so they can make better resource management decisions.

The plan contains these major elements

- A wetlands inventory
- Functional assessment
- Wetland restoration
- Agency coordination
- Coastal area wetland policies
- Local land-use planning

*Conservation Recommendations for Priority Terrestrial Wildlife Species and Habitats in North Carolina* answers the question "How much habitat is enough for at-risk species in North Carolina?" This 2014 non-regulatory document's purpose is to present guidelines which will allow conservation, land use and land management decisions to take place while effectively protecting and enhancing the wildlife resources of the state. The document devotes a whole section to wetland habitats. Topics include planning and development recommendations for all wetlands habitats, demarking core terrestrial habitat zones, and managing adjacent landscapes. Also, attention is given to the proper care of specific wetlands such as ephemeral pools, and bog habitats.

Numerous advocacy groups such as The Nature Conservancy, North Carolina Coastal Federation, various land trusts, Ducks Unlimited etc. strive to protect and restore water resources throughout the state. Various groups are often able to obtain and or sometimes provide funding sources for conserving and protecting these important ecosystems. For example, recently, Ducks Unlimited a non-profit organization, dedicated to conserving North America's continually disappearing waterfowl habitats, announced in July 2014, that through

collaborative efforts with state and federal agencies, other non-profit organizations and private landowners more than 106,000 acres of vital wetland habitat has been conserved in North Carolina.

### **Regulations**

*“...No discharge of dredged or fill material shall be permitted unless appropriate and practicable steps have been taken which will minimize potential adverse impacts of the discharge on the aquatic ecosystem.” Section 404(b)(1) the Clean Water Act*

- Section 404 of the Clean Water Act:

In accordance with Section 404 of the Clean Water Act, the United States Army Corps of Engineers (USACE) is responsible for regulation the discharge of dredge or fill material into waters of the United States, including open waters, streams, and wetlands. The purpose of the Clean Water Act is to restore and maintain the physical, chemical, and biological integrity of the nation’s waters. Under Section 10 of the Rivers and Harbors Act and this program USACE is responsible for receiving and evaluating permit applications affecting waters of the United States. Frequently, the required public interest review of applications results in a finding that the public must be compensated for unavoidable aquatic losses, including wetland resources.

- 401 Water Quality Certification Program:

NC Division of Water Resources of NC DENR currently administers a comprehensive wetlands regulatory program. Section 401 of the Clean Water Act Stipulates that no Federal permit, including 404 permits will be issued unless a 401 Water Quality Certification has been issued or waived. 401 Certifications are required for any federally permitted or licensed activity that may result in a discharge to of filling of streams, wetlands, or open waters. DWR requires applicants to document measures taken to avoid and minimize impacts to these resources during design of the project and to perform compensatory mitigation and verify that a given project authorized by a federal permit will not contravene the state water quality standards.

- Coastal Zone Management Act:

North Carolina Division of Coastal Management (DCM) assesses coastal wetlands under North Carolina’s Coastal Area Management Program in response to passage of the federal Coastal Zone Management Act of 1972 (CZMA). DCM works to protect, conserve and manage North Carolina’s coastal resources through an integrated program of planning, education and research. As well as being subject to the 404 rules for development, development projects within one of North Carolina’s twenty coastal counties must also acquire a Coastal Area Management Act (CAMA) permit.

- North Carolina Wetland Compensatory Mitigation:

Permitted impacts are projects that affect the nation's aquatic resources, which include rivers, and wetlands in North Carolina. Before property owners may proceed with work that may impact the function and quality of surface waters, a permit from the US Army Corps of Engineers (USACE) is often required to meet the requirements of the Clean Water Act or the

Rivers and Harbors Act. Through the regulatory program, the Corps of Engineers ensures that all associated adverse environmental impacts from work in waters or wetlands are avoided or minimized. In some cases, the Corps may require compensatory mitigation to offset losses of aquatic resource usually at a minimum of 1:1 ratio. Compensatory mitigation is the restoration, establishment, enhancement, or preservation of aquatic resources for the purpose of offsetting losses of aquatic resources resulting from activities authorized by Corps of Engineers' permits.

<b>Types of Compensatory Mitigation</b>	
Restoration	Returns natural or historic functions to a former or degraded aquatic environment
Establishment	Alters an upland site to develop an aquatic resource
Enhancement	Improves the functioning of an existing aquatic resource
Preservation	Protects and maintains an existing aquatic resource through real estate protections or other conservation actions

<b>Sources of Compensatory Mitigation</b>	
Mitigation bank	One or more sites where aquatic resources such as wetlands or streams are restored, established, enhanced and / or preserved for the purpose of providing compensatory mitigation in advance of authorized impacts to similar resources.
In-lieu fee program	A program that involves the compensatory mitigation of aquatic and related terrestrial resources through funds paid to a government or non-governmental natural resource management organization. In NC, the Ecosystem Enhancement Program (NC EEP) a state Department of Environment and Natural Resources (NC DENR) initiative offers four In-Lieu Fee mitigation programs designed to assist private and public entities comply with state and federal compensatory mitigation for streams, wetlands, riparian buffers, and nutrients.
Permittee-responsible mitigation	Individual projects constructed by permittees to provide compensatory mitigation for activities authorized by Corps of Engineers' permits

Wetland losses and gains through mitigation are tracked by three basic wetlands types with a fourth headwater wetland pending criteria development from NC Division of Water Resources. The three types are coastal, riparian, and non-riparian. Mitigation success criteria are also

based on those three basic types. The present criteria indicate a success rate of 70-90% for mitigation projects in Eastern North Carolina.

### ***Standards and Classification***

- **Water Quality Standards**

North Carolina's water quality standards for wetlands were implemented in 1996. The wetland standards contained in North Carolina Administrative Code 15A 02B.0231 and in 15A 02B.0201 are narrative in nature and were designed to protect through anti-degradation, preserve, restore and enhance the quality and use of wetlands and other waters of the state that are influenced by wetlands. Wetland uses protected in the rule include the following.

- Storm and flood water storage/retention,
- Hydrological functions such as groundwater discharge and ground water recharge,
- Filtration/storage of pollutants,
- Shoreline protection,
- Habitat for the propagation of wetland-dependent aquatic organisms and other wildlife.

These above uses are maintained and or enhanced through standards contain in the administrative code and provide NC DWR with the basic regulatory structure needed to protect wetlands from various detrimental activities outside of USACE jurisdiction such as ditching and draining. NC DWR has also utilized these standards to require some mining operations to maintain natural hydrology of surrounding wetlands that may be affected by groundwater pumping.

- **Wetland Classifications:**

In North Carolina all wetlands are classified as either freshwater wetlands or saltwater wetlands pursuant to North Carolina Administrative Code. The saltwater wetlands are defined to coincide with estuarine wetlands that are regulated by DCM. North Carolina also has a subclass Unique Wetlands which includes "wetlands of exceptional state or national ecological significance" and requires special additional regulatory protection to maintain existing uses.

### **Public Recreational Opportunities found in North Carolina Wetlands**

#### **Federal Agencies**

Wetlands make ideal places for people to experience passive outdoor recreation. Hiking, birding, wildlife viewing, photography, canoeing, camping and other activities can all be enjoyed in a wetland.

**U.S. Fish & Wildlife Service, National Wildlife Refuge Systems** exist primarily to safeguard wildlife populations through habitat preservation and, as such, offer prime opportunity to view or photograph birds and other wildlife. Other recreational opportunities vary, as do development and accessibility.

### National Wildlife Refuges located in North Carolina

Refuge	Recreational Aspects
Alligator River	Available for automobile touring, boating, fishing, hunting. Features two half-mile wheelchair-accessible nature trails: the Sandy Ridge Wildlife Trail, which is adjacent to 15 miles of paddle trails on Milltail Creek; and the Creef Cut Wildlife Trail, which also has a wheelchair-accessible fishing dock at its trailhead. Refuge Wildlife Drive offers opportunities to view a wide variety of birds, as well as black bears and red wolves.
Cedar Island	Available for boating, saltwater fishing, waterfowl hunting. The refuge is mainly a coastal marsh of 11,000 acres; there are two boat ramps. Concentrations of diving ducks, sea ducks, American black ducks, black rails, wading birds and shorebirds. Refuge is approximately 40 miles northeast of Beaufort via U.S. 70 and N.C. 12 at the confluence of Pamlico and Core sounds in Carteret County.
Great Dismal Swamp	Most of the refuge's 111,000 acres of forested wetlands are in Virginia but a portion extends into Camden, Pasquotank and Gates counties in North Carolina west of U.S. 17. The refuge is available for biking, boating, fishing and hiking, as well as bird and wildlife watching Lake Drummond, a 3,100 acre natural lake in Virginia, is at the heart of the swamp. The southern reaches of the refuge are adjacent to North Carolina's Dismal Swamp State Park.
Mackay Island	Available for bicycling, boating, fishing, hiking, hunting. Features a Charles Kuralt Trail observation site, an elevated platform with spotting scopes for views of the Great Marsh, plus seven miles of dikes suitable for walking or cycling. During fall and winter, tundra swans, ducks and large concentrations of snow geese congregate in the ponds south of the Great Marsh. Mackay Island is a portion of Knotts Island, which is accessible via private boat or free ferry at Currituck County Courthouse on N.C. 168 or via Princess Anne Road south from Pungo, Virginia. The refuge's Open Roads Days allow the public to drive the roads normally closed to vehicular traffic around the refuge impoundments at the end of Mackay Island Road.
Mattamuskeet	Available for automobile touring, boating, fishing, hiking, hunting. Lake Mattamuskeet (40,000 acres) is North Carolina's largest natural lake. The refuge has significant wintering populations of ducks, Canada geese, snow geese and tundra swans. Concentrations of bald eagles and other raptors, wading birds and shorebirds occur seasonally. Features 3-mile entrance road and 5-mile drive along lake, and miles of grassed dikes criss-crossing the refuge. There are several observation decks and two state boat ramps. Recent plans to renovate the lakeside Mattamuskeet Lodge as a lodge, meeting site and museum fell through when money ran out. The refuge is 9 miles east of Swan Quarter by U.S. 264 and N.C. 94 in Hyde County.

Refuge	Recreational Aspects
Pea Island	Available for boating, fishing, hiking. Features a visitor center, two wheelchair-accessible trails with an observation tower on one and an overlook on the other, a photography blind and 13 miles of beach. Concentrations of ducks, geese, swans, wading birds, shore birds, raptors, neotropical migrants are seasonally abundant on the refuge. On N.C. 12 north of Rodanthe on Hatteras Island in Dare County.
Pee Dee	Available for automobile touring, fishing, hiking, hunting. Habitat for more than 180 bird species, including wading birds, migratory waterfowl and songbirds Enter the refuge 7 miles north of Wadesboro on U.S. 52 in Anson County.
Pocosin Lakes	Available for automobile touring, fishing, hiking, and deer and small game hunting. Features three-quarter-mile Scuppernong River Interpretive Boardwalk, the Walter B. Jones Sr. Center for the Sounds interpretive visitors center, and observation and photography opportunities for tundra swans, snow geese and ducks, as well as black bear and other birds and animals. The visitor center is adjacent to the Tyrrell County Visitor Center on U.S. 64 in Columbia.
Roanoke River	Available for fishing, hiking, hunting. Concentrations of wintering waterfowl, nesting ducks, raptors, osprey and neo-tropical migrants are common The largest inland heron rookery in North Carolina is on the refuge. Bald eagles nest on adjacent lands; river corridor is wintering area for bald eagles. The refuge consists of five tracts of land along 70 miles of the Roanoke River and two distant satellite tracts in other river basins.
Swanquarter	Available for motorized boating, saltwater fishing, waterfowl hunting. Concentrations of diving ducks, sea ducks, American black ducks, wading birds and shorebirds The refuge supports one of the northernmost populations of the American alligator. There are four boat ramps (one accessible only via a trail), and a fishing pier at Bell Island. Refuge land on the north shore of Pamlico Sound east and west of the village of Swan Quarter is only accessible by boat, except for trails in the Bell Island Unit (2 miles west of Swan Quarter by U.S. 264) in Hyde County.
Proposed Mountain Bogs National Wildlife Refuge	The U.S. Fish and Wildlife Service proposes to protect Southern Appalachian Mountain bogs, one of the nation's rarest and most imperiled plant and wildlife habitats, through the creation of the Mountain Bogs National Wildlife Refuge. The proposed refuge would eventually include up to 23,478 acres scattered across as many as 30 sites in Alleghany, Ashe, Avery, Clay, Graham, Henderson, Jackson, Macon, Transylvania, Wilkes, and Watauga counties, North Carolina; and Carter and Johnson counties, Tennessee.

## **United States Department of Agriculture**

**The Croatan National Forest's** 160,000 acres have pine forests, saltwater estuaries, bogs and raised swamps called pocosins. Bordered on three sides by tidal rivers and the Bogue Sound, the forest is defined by water. A variety of recreational experiences are found in the Croatan National Forest such as hunting/fishing , camping, hiking, horseback riding, picnicking and biking. Moreover, visitors can enjoy the forest's wide diversity of wildlife- from deer, black bears and turkeys to wading birds, ospreys and alligators. Canoeing and boating are popular on blackwater creeks and saltwater marshes. The Croatan is also home to the carnivorous Venus fly-trap, sundew and pitcher plant.

## **National Park Service**

**Cape Lookout National Seashore** is a low, narrow, ribbon of sand running from Ocracoke Inlet on the northeast to Beaufort Inlet on the southwest. These barrier islands-56 miles long-consist mostly of wide, bare beaches with low dunes covered by scattered grasses, flat grasslands bordered by dense vegetation, and large expanses of salt marsh alongside the sound. Lying closest to the sound--the body of water between a barrier island and the mainland--the salt marsh is one of the most diverse ecosystems on an island. Many visitors come to view wildlife and can find many species of birds in the marsh feeding on the insects, fish, crabs, and other invertebrates that live there.

**Cape Hatteras National Seashore**, the nation's first national seashore, was established to preserve significant segments of unspoiled barrier islands along North Carolina's stretch of the Atlantic Coast. A large portion of the park is considered a salt marsh where visitors can hike, view wildlife, kayak, crab or fish. The park also allows limited waterfowl hunting.

## **State Agencies**

**North Carolina State Parks System** has several parks where wetland features are a recreational component of the park. These parks include Dismal Swamp, Goose Creek, Hammock Beach, Lake Waccamaw State, Merchants Mill Pond and Pettigrew state parks (see table below).

### North Carolina State Parks with Wetland Features

State Park Unit	Wetland Features / Recreational Features
Dismal Swamp State Park	<p>The Great Dismal Swamp is one of the largest protected swamp wildernesses in the eastern United States, with 38,000 acres in North Carolina and 82,000 acres in Virginia. The state park, which officially opened in March 2008, has a visitors center, a system of boardwalks, decks and gazebos, 16.7 miles of hiking and mountain biking trails, and bird watching and paddling opportunities.</p> <p>The park is adjacent to the Great Dismal Swamp National Wildlife Refuge. In December 2013, the largest known forested wetlands restoration project east of the Mississippi River was constructed in the park restoring hydrology to 9,580 acres.</p> <p>Funded by a North American Wetlands Conservation Act grant, the project restores habitat for over 200 species of migratory birds, helps to control wildfires, and sequesters mercury and atmospheric carbon.</p>
Carolina Beach State Park	<p>Three limesink ponds, each vegetated by a unique plant community, are found in the park. Cypress Pond, the most unusual limesink pond in the park, is dominated by a dwarf cypress swamp forest. Lily Pond is occupied by the broad, oval leaves and water lilies, which cover its waters in early summer.</p> <p>Grass Pond, which dries out almost every year, is filled with a variety of aquatic sedges. Carnivorous plants thrive in the boggy soil around its edge and in the park's acidic, mineral-poor soil. The park offers boating, camping, education events, exhibits and educational facilities, fishing, hiking, and picnicking.</p>
Goose Creek State Park	<p>This tranquil juncture of the broad, lazy Goose Creek and the Pamlico River is guarded by giant, old oaks draped with Spanish moss. The park offers boating, camping, education events, exhibits and educational facilities, fishing, hiking, picnicking and swimming.</p>

State Park Unit	Wetland Features / Recreational Features
Hammocks Beach State Park	<p>Bear Island, an 892-acre barrier island has one of the most unspoiled beaches on the Atlantic coast and is accessible only by passenger ferry or private boat. Huggins Island, located just east of Bear Island in the mouth of Bogue Inlet, is a 225-acre island with a maritime swamp forest.</p> <p>The 17-acre Jones Island became a part of the park in October 2007 and is managed as a state natural area. The park offers boating, camping, education and events, fishing, picnicking and swimming. The park also has a kayak, canoe and paddleboard rental concession</p>
Haw River State Park	<p>Located near the headwaters of the Haw River, Haw River State Park and the Summit Environmental Education Center are situated among piedmont forest, fields, wetlands and uplands on 1,374 acres in Guilford and Rockingham counties. The Summit is a retreat and conference center located on 210 acres in the park. The conference center includes eight meeting spaces, motel and dormitory-style sleeping facilities, indoor and outdoor common areas, a swimming pool, a six-acre lake, trails and a buffet-style dining room.</p>
Lake Waccamaw State Park	<p>One of the Carolina bays, Lake Waccamaw has species of animals found nowhere else on the planet, rare plants and endangered animals. The park offers camping, education and events, fishing, hiking, and picnicking.</p>
Merchants Mill Pond State Park	<p>Coastal pond and Southern swamp forest mingle to create one of North Carolina's rarest ecological communities - an "enchanted forest," with primitive species of fish, towering bald cypress trees with massive trunks and luxuriant growths of Spanish moss. The park offers camping, canoeing and canoe rentals, education and events, fishing (including small craft with trolling motors), hiking and picnicking. Many areas and activities are accessible to those with disabilities.</p>
Pettigrew State Park	<p>More than 1,200 acres of land and 16,600 acres of water on Lake Phelps blend nature, history and recreation. The park offers bird watching, boating, camping, education and events, fishing, hiking and picnicking. Native American dugout canoes found locally and on display are among the longest and oldest known. In December 2005, the state announced the addition of more than 2,500 acres along the Scuppernon River, including about four miles of river-front land, to Pettigrew. Its potential future use includes camping, canoeing, hiking, fishing, picnicking and wildlife viewing.</p>

The state parks system also manages state natural areas, some that protect wetland-type habitats. **Theodore Roosevelt Natural Area**, a 265 acre nature preserve adjacent to the North Carolina Aquarium at Pine Knoll Shores, includes a self-guiding nature trail showcasing the

barrier island ecosystem, containing maritime forest and marsh habitats. The marine habitat is a rich area for shellfish and abundant birdlife. Located along the northern shores of the Chowan River, in Gates County is the **Chowan Swamp Natural Area**. **Bushy Lake State Natural Area**, located in Cumberland County and managed by Jones Lake State Park, protects an area over 6300 acres of wet pocosin and carolina bay forest. **Pineola Bog, Beech Creek Bog and Sugar Mountain Bog** are three state natural areas which protect almost 300 acres of bog habitat in the western mountains of North Carolina.

### **North Carolina Wildlife Resources Commission Game Lands**

Hunters of North Carolina are provided with more than two million acres of game land to which to hunt on that is managed by the North Carolina Wildlife Resources Commission (WRC). Of that acreage, almost 500,000 acres spread over 44 preserves are located within the coastal plain and almost all of that land is considered wetlands. Equally abundant are the numerous boat launches located also in the coastal plain and are also managed by WRC which provide boat and canoe/kayak access to numerous bodies of water.

### **Open to the Public Non-Government Agency**

#### **The Nature Conservancy**

Located in Columbus and Brunswick Counties **Green Swamp Preserve** contains some of the country's finest examples of longleaf pine savannas. The open savannas have a diverse herb layer with many orchids and insectivorous plants. Almost 13,000 acres of the preserve are comprised of pocosin (shrub bog). Federal Paper Board donated 13,850 acres of this preserve to The Nature Conservancy in 1977 and an additional 2,577 acres in the late 1980s. The Nature Conservancy has since purchased additional land in the preserve. The Green Swamp contains at least 14 different species of insectivorous plants, including: extensive populations of Venus flytrap, sundew, and four species of pitcher plant. The preserve is also home to many rare animals, including: American alligator, fox squirrel, Henslow's sparrow, Bachman's sparrow, and Hessel's hairstreak butterfly. Visitors can hike, photograph wildlife and bird watch.

**The Boiling Spring Lakes Preserve**, 5000+ acres is owned by the State of North Carolina under North Carolina Department of Agriculture & Consumer Services – Plant Conservation Program and managed by The Nature Conservancy. The preserve located in Brunswick County ranks highest in the state in rare plant species (112). Many of those are found in the preserve. Boiling Springs Lake wetland complex contains a fascinating cross section of the Cape Fear region's natural communities. A series of parallel ridges and swales are the remnants of an ancient dune system. A large concentration of Carolina bays (elliptical wetland depressions) studs the landscape. Fire-dependent natural communities, including high and low pocosins (evergreen shrub bogs) and longleaf pine savannas on the ridges and bay rims, form an intricate mosaic of habitat. Many opportunities exist for hiking, birding, and identifying wildflowers and rare plants.

## **Local Governments**

Many local governments and municipalities in North Carolina have constructed multi-use trails in wetlands while expanding their greenway systems. For example the City of Cary has completed restoration of the aquatic and riparian ecosystems along the White Oak Creek Greenway. Furthermore, the town is looking at a total of seven (7) sites, located adjacent to Town greenway trails which are being proposed for restoration and/or stabilization.

The City of Raleigh, Walnut Creek Wetland Center is where visitors can explore the 58 acres of wetlands in downtown Raleigh. The Walnut Creek Wetland Center opened in 2009 to foster awareness of the importance of wetlands, wildlife habitat, hydrology, and human interaction with nature. McAlpine Creek Park in Charlotte is host to a beaver created wetland inside the park, where visitors can view beaver, turtles, ducks, and herons. Over in Union County at Cain Creek Park trails take visitors through wetland areas for opportunities to see birds, reptiles and amphibians.

Other examples where cities or agencies, have created opportunities for recreation in wetland areas are the utilization of reconstructed wetlands for wastewater treatment. The City of Goldsboro constructed wetlands to “polish” the wastewater. Treated waste water enters the constructed wetlands contains around 3 mg/L total nitrogen. The resulting “polished” water has about 1 mg/L total nitrogen remaining in it prior to being discharged into the Neuse River. The wetland treats water year round, even in the winter when the plants are dormant, due to the microbial organisms in the soils and roots. The summertime is particularly beautiful in the constructed wetlands when visitors can enjoy the scenery. A large variety of flowering plants, such as the Blue Flag Iris, Fragrant Water Lily, Spatterdock, Pickerel Weed, and American Lotus fill the basins.

The recreational benefits of wetlands are also found at the North Carolina Zoological Park, near Asheboro. A constructed stormwater wetland is different from a natural wetland in that it is designed to capture runoff from the streets, parking lots and rooftops and cleans it before entering a larger body of water. The Constructed Wetland is an exhibit designed to help educate visitors about the importance of wetlands to the environment and to serve as a filter system for rainwater runoff from the Zoo's North America parking lot.

And finally, the City of Boone Clawson –Burney Park contains a constructed wetland to treat stormwater runoff. In addition, it provides a unique ecosystem for lots of different species of plants, birds, amphibians, reptiles, insects, and mammals. Wetlands are important bird habitats because birds use them for breeding, nesting, rearing young, a source of drinking water, resting, and social interactions. Wetland vegetation also provides shelter from predators and from the weather. Lastly, this wetland park within the town is an area for the community to enjoy. The trail around the wetland provides a great view to observe what’s going on in the wetland. The trail is ADA accessible so that all may enjoy the sounds and surroundings of nature.

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Appendix B

## **Methodology**



## **Public Input**

**Public Survey:** The North Carolina Division of Parks and Recreation conducted a public input survey to evaluate demand for, participation in, and perceptions of outdoor recreation opportunities in the state. The survey was conducted online using Survey Monkey and was distributed via multiple channels during May 2014. A series of press releases across the state invited the public to complete the survey that was available on the division's webpage. In total, the NC SCORP Public Input Survey yielded 17,535 responses.

As a component of the SCORP, the intent of the public survey was to gather information that will provide the state with a framework to address the need for improved outdoor recreation for the next five years. Questions from the survey broadly address areas such as outdoor recreation participation, satisfaction with statewide outdoor recreation opportunities, motivation for participation, barriers to participation, attitudes about recreation provider's priorities.

### **Presentations**

Informational sessions and requests for comments were conducted to stakeholders during the planning process. These included:

- 2014 North Carolina Municipal and County Park and Recreation Directors Annual Conference
- 2014 North Carolina Statewide Trails Conference
- 2014 North Carolina Recreation and Park Association Annual Conference
- 2014 North Carolina Association of County Commissioners Annual Conference (Information booth)
- 2014 North Carolina League of Municipalities Annual Conference (Information booth)

### **Public Review**

The draft plan will be made available for public comment in early 2015 prior to adoption and submission to the National Park Service.

### **Inventory of Park Areas and Facilities**

**Population Growth and Density** – The information about county population counts and estimates is taken from the North Carolina State Data Center's web page. The county population totals and projections for 2000, 2010, and 2020 and are for July of those years. The population densities and growth are also from the State Data Center web pages. The state rankings are calculated using the information provided.

**Public Recreational Acreage and Facility Inventory** –The data collection process for local governments began with the results of the inventory of local governments conducted for the 2009-2013 SCORP. The Division of Parks and Recreation used the results of the inventory over 400 county and municipal governments as the basis for the 2014 inventory.

A request via email in the Spring of 2014 was sent to all local governments in the state (over 550). A follow-up request was sent to non-respondents. Each local government was asked to update inventory records to reflect the current recreational acreage and facilities that they managed for public recreation. The request resulted in 246 updated records. A similar survey of local governments was conducted in 2009. In addition, records were added for local governments that did not respond to the survey but did have LWCF and PARTF projects that included either park acreage or recreation facilities. Combining information collected in 2014 with the inventory from 2009 and information from PARTF and LWCF projects, the inventory in this document includes information from 470 local governments in North Carolina.

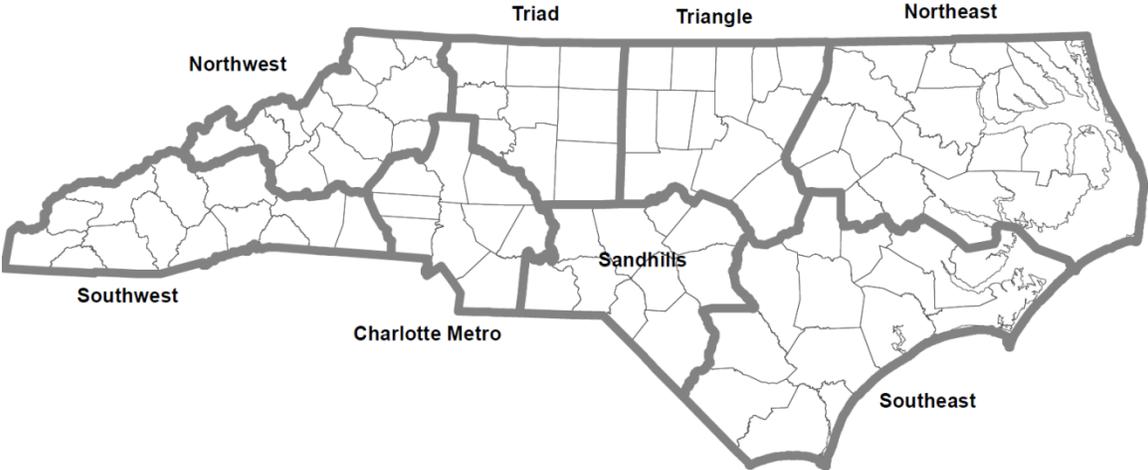
For state and federal agencies, the Division of Parks and Recreation used the data layers containing property boundaries supplied by each agency to the state’s geographic information system (GIS). The property information was compared to the county-boundary data layer to calculate the acreage by county for each agency.

### **Geographic Regions**

The eight regions used for analysis in the plan are displayed below. The regions were developed at the request of Parks and Recreation Authority to consider the geographic distribution of Park and Recreation Trust Fund grants across North Carolina. The regions were approved by the board in March 2012. The factors used in developing the regions included:

- Understandable areas that encompass the main population centers in the state: Charlotte Metro, Triad, and Triangle.
- A balance between having enough regions to consider geographic distribution, but not too many so that regions are difficult to compare. Some of the standard regions available used too few regions (Three – Mountains, Piedmont, Coastal) or too many regions (North Carolina’s 16 planning regions).
- A balance between the population of a region and the number of counties in the region.
- As shown in the table, six of the eight regions encompass between nine and 14 counties. As for population, five of the eight regions have between 900,000 and 2.1 million people.
- The eight regions provide a reasonable division of the state. The state is divided into four regions in the northern half of the state and four regions in the southern half of the state.

<b>Region</b>	<b># of Counties</b>	<b>2010 Population</b>
Northwest	12	487,760
Southwest	13	761,019
Triad	9	1,442,646
Charlotte Metro	9	2,104,755
Triangle	12	1,947,624
Sandhills	10	908,446
Northeast	21	792,357
Southeast	14	1,141,620
<b>Total</b>	<b>100</b>	<b>9,586,227</b>



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## **Appendix C**

# **Public Preference Survey**



1. Why do you participate in outdoor recreation activities? (Check all that apply)

	<b>Percentage Responding</b>
Be outdoors	93%
Have fun	87%
Relaxation	78%
To be closer to nature	64%
To be with family and friends	63%
It is free and/or affordable	60%
Exercise or physical fitness	59%
Visit/see new places and things	57%
Solitude (to spend time by myself)	49%
Escape urban setting	43%
To learn	39%
For the challenge	28%

2. Please indicate which of the following activities you or members of your household participate in or have participated in the past 5 years.

	<b>Percentage Responding</b>
Visiting a beach or lake	69%
Walking for Pleasure or Exercise	61%
Visiting parks or Historical Sites	60%
Hiking, Trails	59%
Fishing - Freshwater, bank or pier	58%
Viewing scenery	52%
Fishing - Freshwater, boat	50%
Nature viewing	50%
Swimming, All types	50%
Gardening	49%
Hunting, Gun	47%
Shooting, Target Firing Range	46%
Boating - Power, Freshwater	46%
Canoeing, Kayaking	45%
Picnicking	45%
Fishing - Saltwater, on-shore or pier	45%
Camping, Developed site	44%
Fishing - Saltwater, boat	37%
Outdoor Fairs Festivals	37%
Driving for Pleasure	34%
Camping, Primitive	34%
Backpacking	33%
Visiting Zoos	33%
Nature Photography	33%
Shooting , Skeet	31%
Bird Watching	31%
Boating - Power, Saltwater	31%

	Percentage Responding
Open Space Park, Relaxing	30%
Archery	28%
Bicycling, On-road	28%
Jogging, Running for exercise (on and off-road)	26%
Hunting, Bow	26%
Golf, 18-hole, 9-hole, driving range	22%
Bicycling, BMX or Off-Road	22%
Playground Activities	22%
Tubing	22%
4WD, Other high-clearance vehicle	21%
Baseball, Softball	20%
Water Parks	18%
Golf, Miniature	18%
Spectator Activities	18%
Dog Parks	17%
Frisbee, Disc Golf, Kite Flying	16%
Quad or All Terrain Vehicle Driving	15%
Collecting (flowers, insects, rocks)	14%
Water skiing, Jet skiing	13%
Basketball, Outdoor	13%
SCUBA/Snorkeling	13%
Skiing, Down Hill	12%
Tennis	11%
Horseback Riding, Trails	11%
Horseback Riding, General	11%
Soccer	10%
Utility Terrain Vehicle, Mod. Golf Cart	9%
Splash Pool, Sprayground	9%
Volleyball, Badminton	9%
Football (playing)	8%
Rappelling, Rock Climbing	8%
Geocaching	7%
Surfing, All Types	7%
Motorized Trail Biking, Dirt Biking	7%
Orienteering	6%
Sailing, Saltwater	6%
Sailing, Freshwater	5%
Radio, Remote Control Models	5%
CrossFit Training	5%
Skiing, Cross Country, Snow Shoeing	5%
Skateboarding	4%
Spelunking (Caves)	4%
Rollerskating	3%
Other (please specify)	3%
Rollerblading, Inline skating	3%
Swimming (Competitive)	3%
Ice Skating, outside	3%
Triathlon	3%
Shuffleboard	2%
Lacrosse	2%

	<b>Percentage Responding</b>
Windsurfing, Kitesurfing	1%
Rugby	1%
Cricket	0.3%

3. Where have you participated in outdoor activities in the past twelve months? (Check all that apply).

	<b>Percentage Responding</b>
State parks, forests, or state historic sites	83%
Local parks (i.e. city or county)	76%
National Forests, National Parks or federal lands	67%
Quasi-public or private (i.e. YMCA, Boys and Girls Clubs, country clubs)	20%

4. How many times have you or any member of your household visited a local, state or national park, historic site, or forest in the last twelve months?

	<b>Percentage Responding</b>
Local parks/sites - More than 8 times	35%
Local parks/sites - 3-5 times	20%
Local parks/sites - 1-2 times	17%
Local parks/sites - 6-8 times	12%
Local parks/sites - None	4%
State parks/sites - 3-5 times	28%
State parks/sites - More than 8 times	22%
State parks/sites - 1-2 times	22%
State parks/sites - 6-8 times	14%
State parks/sites - None	4%
National parks/sites - 1-2 times	29%
National parks/sites - 3-5 times	21%
National parks/sites - More than 8 times	14%
National parks/sites - None	10%
National parks/sites - 6-8 times	8%

5. In the past twelve months, do you think that you or any member of your household visited local, state and/or national parks, historic sites or forests...

	<b>Percentage Responding</b>
Local parks/sites - More frequently?	26%
Local parks/sites - Less frequently?	12%
Local parks/sites - With the same frequency?	47%
State parks/sites - More frequently?	23%

	<b>Percentage Responding</b>
State parks/sites - Less frequently?	15%
State parks/sites - With the same frequency?	50%
National parks/sites - More frequently?	17%
National parks/sites - Less frequently?	20%
National parks/sites - With the same frequency?	47%

6. During the past twelve months, what proportion of your trips to participate in outdoor activities at local, state and/or national parks were overnight versus day trips?

	<b>Percentage Responding</b>
Local parks/sites - 0%	62%
Local parks/sites - 10%	9%
Local parks/sites - 25%	5%
Local parks/sites - 50%	5%
Local parks/sites - 75%	3%
Local parks/sites - 100%	2%
State parks/sites - 0%	37%
State parks/sites - 10%	17%
State parks/sites - 25%	13%
State parks/sites - 50%	11%
State parks/sites - 75%	6%
State parks/sites - 100%	6%
National parks/sites - 0%	34%
National parks/sites - 10%	13%
National parks/sites - 25%	9%
National parks/sites - 50%	10%
National parks/sites - 75%	7%
National parks/sites - 100%	13%

7. During the past twelve months, when spending the night away from home to participate in outdoor recreation, what accommodations did you use? (Check all that apply).

	<b>Percentage Responding</b>
Friend or relative's home	24%
Tent camping	34%
RV camping	16%
Vacation rental	26%
Hotel/motel	47%
Cabin/yurt	15%
Bed and breakfast	8%
I did not stay overnight	13%

8. When visiting local, state and/or national parks what is your average travel time from your home?

	<b>Percentage Responding</b>
Local parks/sites - Under 30 minutes	50%
Local parks/sites - 30 minutes to 1 hour	23%
Local parks/sites - 1 to 2 hours	8%
Local parks/sites - 2 to 5 hours	4%
Local parks/sites - More than 5 hours	1%
State parks/sites - Under 30 minutes	9%
State parks/sites - 30 minutes to 1 hour	26%
State parks/sites - 1 to 2 hours	29%
State parks/sites - 2 to 5 hours	19%
State parks/sites - More than 5 hours	4%
National parks/sites - Under 30 minutes	4%
National parks/sites - 30 minutes to 1 hour	8%
National parks/sites - 1 to 2 hours	16%
National parks/sites - 2 to 5 hours	35%
National parks/sites - More than 5 hours	18%

9. How important to you and your household is the availability of...

	<b>Percentage Responding</b>
Local parks/sites - Not at all important	2%
Local parks/sites - Somewhat important	22%
Local parks/sites - Extremely important	66%
State parks/sites - Not at all important	1%
State parks/sites - Somewhat important	19%
State parks/sites - Extremely important	72%
National parks/sites - Not at all important	3%
National parks/sites - Somewhat important	22%
National parks/sites - Extremely important	66%

10. Please tell us how well you think the following are currently meeting your household's needs.

	<b>Percentage Responding</b>
Local parks/sites - Not at all meeting needs	6%
Local parks/sites - Somewhat meeting needs	51%
Local parks/sites - Completely meeting needs	33%
State parks/sites - Not at all meeting needs	4%
State parks/sites - Somewhat meeting needs	51%
State parks/sites - Completely meeting needs	36%
National parks/sites - Not at all meeting needs	6%
National parks/sites - Somewhat meeting needs	46%
National parks/sites - Completely meeting needs	36%

11. Please rate the importance of access to trails connecting to outdoor recreation opportunities for local, state and national parks in North Carolina. These would include separate non-motorized active transportation trails to outdoor recreation sites.

	<b>Percentage Responding</b>
Trail access in local parks/sites - Not at all important	8%
Trail access in local parks/sites - Somewhat important	32%
Trail access in local parks/sites - Extremely Important	49%
Trail access in state parks/sites - Not at all important	6%
Trail access in state parks/sites - Somewhat important	30%
Trail access in state parks/sites - Extremely Important	55%
Trail access in national parks/sites - Not at all important	7%
Trail access in national parks/sites - Somewhat important	28%
Trail access in national parks/sites - Extremely Important	53%

12. How important to you is WiFi availability while you are participating in outdoor recreation activities...

	<b>Percentage Responding</b>
At local parks/sites? - Not at all important	55%
At local parks/sites? - Somewhat important	27%
At local parks/sites? - Extremely Important	9%
At state parks/sites? - Not at all important	55%
At state parks/sites? - Somewhat important	29%
At state parks/sites? - Extremely Important	9%
At national parks/sites? - Not at all important	54%
At national parks/sites? - Somewhat important	27%
At national parks/sites? - Extremely Important	9%

13. Please rate your satisfaction with outdoor recreation in North Carolina in the following areas:

	<b>Percentage Responding</b>
Efforts to purchase land for preservation and recreation - Not at all satisfied	11%
Efforts to purchase land for preservation and recreation - Somewhat satisfied	58%
Efforts to purchase land for preservation and recreation - Extremely satisfied	16%
Providing outdoor recreation opportunities - Not at all satisfied	6%
Providing outdoor recreation opportunities - Somewhat satisfied	54%
Providing outdoor recreation opportunities - Extremely satisfied	27%
Providing adequate environmental education opportunities - Not at all satisfied	7%
Providing adequate environmental education opportunities - Somewhat satisfied	55%
Providing adequate environmental education opportunities - Extremely satisfied	23%
Management of public land and water resources - Not at all satisfied	13%
Management of public land and water resources - Somewhat satisfied	53%
Management of public land and water resources - Extremely satisfied	20%
Do you have any comments you would like to offer regarding the question above?	18%

14. Please rate your satisfaction with the amount of public access to natural bodies of water near your home:

	<b>Percentage Responding</b>
- Not at all satisfied	11%
- Somewhat satisfied	49%
- Extremely satisfied	28%

15. Which of the following word phrases indicates what emphasis you would like to see outdoor recreation providers in North Carolina pursue?

	<b>Percentage Responding</b>
Emphasis on natural resource preservation/protection	12%
Emphasis on providing outdoor recreation in natural settings	16%
Equal balance between preservation/protection and outdoor recreation	61%

16. Outdoor recreation providers often need to prioritize their efforts. Please rank the following priorities in order of importance from 1 (highest) to 6 (lowest). Start by selecting your top ranked (highest) priority and select the number 1 from the drop-down. Choose your second priority, and select the number 2, etc.

	<b>Percentage Responding</b>
Acquisition of new parks and open space - 1	24%
Acquisition of new parks and open space - 2	16%
Acquisition of new parks and open space - 3	12%
Acquisition of new parks and open space - 4	11%
Acquisition of new parks and open space - 5	10%
Acquisition of new parks and open space - 6	14%
Development of new facilities at existing recreation sites - 1	11%
Development of new facilities at existing recreation sites - 2	21%
Development of new facilities at existing recreation sites - 3	19%
Development of new facilities at existing recreation sites - 4	16%
Development of new facilities at existing recreation sites - 5	13%
Development of new facilities at existing recreation sites - 6	7%
Operation and maintenance of existing infrastructure and facilities - 1	31%
Operation and maintenance of existing infrastructure and facilities - 2	20%
Operation and maintenance of existing infrastructure and facilities - 3	19%
Operation and maintenance of existing infrastructure and facilities - 4	11%
Operation and maintenance of existing infrastructure and facilities - 5	5%
Operation and maintenance of existing infrastructure and facilities - 6	2%
Transforming existing facilities to serve new purposes - 1	4%
Transforming existing facilities to serve new purposes - 2	9%
Transforming existing facilities to serve new purposes - 3	14%

	<b>Percentage Responding</b>
Transforming existing facilities to serve new purposes - 4	23%
Transforming existing facilities to serve new purposes - 5	20%
Transforming existing facilities to serve new purposes - 6	17%
Providing local, regional, and statewide trails - 1	13%
Providing local, regional, and statewide trails - 2	14%
Providing local, regional, and statewide trails - 3	12%
Providing local, regional, and statewide trails - 4	13%
Providing local, regional, and statewide trails - 5	24%
Providing local, regional, and statewide trails - 6	11%
Providing educational programs and visitor services - 1	4%
Providing educational programs and visitor services - 2	7%
Providing educational programs and visitor services - 3	11%
Providing educational programs and visitor services - 4	14%
Providing educational programs and visitor services - 5	16%
Providing educational programs and visitor services - 6	36%

17. What are the greatest barriers to you/your family participating more frequently in outdoor activities, if any? (Check all that apply).

	<b>Percentage Responding</b>
Physical or health limitation	15%
Cost	21%
Lack of time	59%
Participate in other recreational activities or hobbies that are not outdoor	8%
Lack of available facilities	23%
Quality or condition of facilities	13%
Safety concerns	7%
Lack of interest	2%

18. How important is it to you that your local government, state government, and the federal government spend public funds to acquire land to develop outdoor recreation areas in North Carolina?

	<b>Percentage Responding</b>
Local - Not at all important	9%
Local - Somewhat important	35%
Local - Extremely important	43%
State - Not at all important	6%
State - Somewhat important	31%
State - Extremely important	51%
Federal - Not at all important	10%
Federal - Somewhat important	30%
Federal - Extremely important	47%

19. Which of the following would you support as an alternative source of funding for land acquisition and/or development of outdoor recreational areas and/or facilities? (Check all that apply).

	<b>Percentage Responding</b>
Park entry fees	34%
Commercial user fees	40%
User fees (e.g. permits)	36%
Taxes	28%
Donations	61%
Concessions and sales	55%
Dedicated funding source	43%
None	3%

## **Appendix D**

# **Recreation Provider Survey**



1. What type of governmental entity do you represent?

	<b>Percentage Responding</b>
City/town	33%
County	16%
State	36%
Federal	6%
Quasi-Public/Nonprofit	9%

2. Do you have a system-wide master plan/comprehensive plan for your parks and outdoor recreation sites, facilities and services?

	<b>Percentage Responding</b>
Yes	74%
No	12%

3. Rate the usefulness of your system-wide masterplan/comprehensive plan for your park/park system.

	<b>Percentage Responding</b>
Prioritizing overall needs for your park system - Not useful	2%
Prioritizing overall needs for your park system - Somewhat useful	16%
Prioritizing overall needs for your park system - Useful	59%
Prioritizing overall needs for your park system - N/A	10%
Prioritizing decisions related to providing high quality recreation experiences in your park system - Not useful	2%
Prioritizing decisions related to providing high quality recreation experiences in your park system - Somewhat useful	22%
Prioritizing decisions related to providing high quality recreation experiences in your park system - Useful	51%
Prioritizing decisions related to providing high quality recreation experiences in your park system - N/A	12%
Prioritizing development of recreation facilities in your park system - Not useful	3%
Prioritizing development of recreation facilities in your park system - Somewhat useful	16%
Prioritizing development of recreation facilities in your park system - Useful	56%
Prioritizing development of recreation facilities in your park system - N/A	11%
Prioritizing acquisition of land for your park system - Not useful	3%
Prioritizing acquisition of land for your park system - Somewhat useful	22%

4. Rate the level of difficulty in obtaining funds for your park/park system across the areas listed below.

	<b>Percentage Responding</b>
Obtaining new facility development funds - Difficult	48%
Obtaining new facility development funds - Somewhat difficult	33%
Obtaining new facility development funds - Not difficult	2%
Obtaining new facility development funds - N/A	2%
Obtaining major renovation funds - Difficult	45%
Obtaining major renovation funds - Somewhat difficult	33%
Obtaining major renovation funds - Not difficult	4%
Obtaining major renovation funds - N/A	3%
Obtaining land acquisition funds - Difficult	51%
Obtaining land acquisition funds - Somewhat difficult	21%
Obtaining land acquisition funds - Not difficult	4%
Obtaining land acquisition funds - N/A	10%
Obtaining facility replacement funds - Difficult	44%
Obtaining facility replacement funds - Somewhat difficult	31%
Obtaining facility replacement funds - Not difficult	4%
Obtaining facility replacement funds - N/A	7%
Obtaining outdoor recreation and education programming funds - Difficult	28%
Obtaining outdoor recreation and education programming funds - Somewhat difficult	32%
Obtaining outdoor recreation and education programming funds - Not difficult	18%
Obtaining outdoor recreation and education programming funds - N/A	6%
Obtaining inclusive recreation facility and programming funds - Difficult	31%
Obtaining inclusive recreation facility and programming funds - Somewhat difficult	30%
Obtaining inclusive recreation facility and programming funds - Not difficult	13%
Obtaining inclusive recreation facility and programming funds - N/A	10%
Obtaining overall administration funds - Difficult	22%
Obtaining overall administration funds - Somewhat difficult	36%
Obtaining overall administration funds - Not difficult	25%
Obtaining overall administration funds - N/A	3%
Obtaining daily maintenance funds - Difficult	16%
Obtaining daily maintenance funds - Somewhat difficult	39%
Obtaining daily maintenance funds - Not difficult	27%
Obtaining daily maintenance funds - N/A	3%

5. Rate the level of difficulty related to MEETING PUBLIC NEEDS in your park system.

	<b>Percentage Responding</b>
Meeting demand for a growing population - Difficult	31%
Meeting demand for a growing population - Somewhat difficult	41%
Meeting demand for a growing population - Not difficult	12%
Meeting demand for a growing population - N/A	2%
Meeting the need for undeveloped public lands - Difficult	31%
Meeting the need for undeveloped public lands - Somewhat difficult	26%
Meeting the need for undeveloped public lands - Not difficult	14%
Meeting the need for undeveloped public lands - N/A	16%
Meeting the need for athletic fields/complexes - Difficult	28%
Meeting the need for athletic fields/complexes - Somewhat difficult	20%
Meeting the need for athletic fields/complexes - Not difficult	7%
Meeting the need for athletic fields/complexes - N/A	31%
Meeting the needs of youth through provision of facilities, services and programs - Difficult	22%
Meeting the needs of youth through provision of facilities, services and programs - Somewhat difficult	43%
Meeting the needs of youth through provision of facilities, services and programs - Not difficult	16%
Meeting the needs of youth through provision of facilities, services and programs - N/A	4%
Meeting the needs of off-leash dog areas - Difficult	24%
Meeting the needs of off-leash dog areas - Somewhat difficult	13%
Meeting the needs of off-leash dog areas - Not difficult	15%
Meeting the needs of off-leash dog areas - N/A	33%
Meeting the needs of off-street walking or biking paths - Difficult	22%
Meeting the needs of off-street walking or biking paths - Somewhat difficult	31%
Meeting the needs of off-street walking or biking paths - Not difficult	18%
Meeting the needs of off-street walking or biking paths - N/A	14%
Meeting the needs of older people through provision of facilities, services and programs - Difficult	14%
Meeting the needs of older people through provision of facilities, services and programs - Somewhat difficult	39%
Meeting the needs of older people through provision of facilities, services and programs - Not difficult	27%

	<b>Percentage Responding</b>
Meeting the needs of older people through provision of facilities, services and programs - N/A	5%
Meeting accessibility standards for people with disabilities - Difficult	22%
Meeting accessibility standards for people with disabilities - Somewhat difficult	39%
Meeting accessibility standards for people with disabilities - Not difficult	23%
Meeting accessibility standards for people with disabilities - N/A	1%
Meeting demand for public access to water for swimming, boating or fishing - Difficult	24%
Meeting demand for public access to water for swimming, boating or fishing - Somewhat difficult	19%
Meeting demand for public access to water for swimming, boating or fishing - Not difficult	26%
Meeting demand for public access to water for swimming, boating or fishing - N/A	17%
Meeting the needs of diverse cultures - Difficult	15%
Meeting the needs of diverse cultures - Somewhat difficult	39%
Meeting the needs of diverse cultures - Not difficult	29%
Meeting the needs of diverse cultures - N/A	3%
Providing a safe environment - Difficult	6%
Providing a safe environment - Somewhat difficult	27%
Providing a safe environment - Not difficult	52%
Providing a safe environment - N/A	1%
Meeting the needs of families - Difficult	4%
Meeting the needs of families - Somewhat difficult	33%
Meeting the needs of families - Not difficult	43%
Meeting the needs of families - N/A	3%
Meeting the needs for adventure programming - Difficult	17%
Meeting the needs for adventure programming - Somewhat difficult	38%
Meeting the needs for adventure programming - Not difficult	15%
Meeting the needs for adventure programming - N/A	16%

6. Rate the level of difficulty related to the following LAND PROTECTION issues facing your park/park system.

	<b>Percentage Responding</b>
Preserving land for future recreational development - Difficult	29%
Preserving land for future recreational development - Somewhat difficult	29%
Preserving land for future recreational development - Not	19%

	<b>Percentage Responding</b>
difficult	
Preserving land for future recreational development - N/A	7%
Preserving significant natural resource areas - Difficult	26%
Preserving significant natural resource areas - Somewhat difficult	32%
Preserving significant natural resource areas - Not difficult	22%
Preserving significant natural resource areas - N/A	5%
Preserving open space lands - Difficult	26%
Preserving open space lands - Somewhat difficult	30%
Preserving open space lands - Not difficult	21%
Preserving open space lands - N/A	8%
Preserving land for cultural resources - Difficult	23%
Preserving land for cultural resources - Somewhat difficult	31%
Preserving land for cultural resources - Not difficult	19%
Preserving land for cultural resources - N/A	12%
Preserving land for historical resources - Difficult	23%
Preserving land for historical resources - Somewhat difficult	28%
Preserving land for historical resources - Not difficult	18%
Preserving land for historical resources - N/A	14%

7. Rate the level of difficulty related to the following MANAGEMENT issues facing your park/park system.

	<b>Percentage Responding</b>
Providing adequate staffing levels - Difficult	49%
Providing adequate staffing levels - Somewhat difficult	29%
Providing adequate staffing levels - Not difficult	7%
Providing adequate staffing levels - N/A	1%
Maintaining existing recreation infrastructure and resources - Difficult	31%
Maintaining existing recreation infrastructure and resources - Somewhat difficult	45%
Maintaining existing recreation infrastructure and resources - Not difficult	8%
Maintaining existing recreation infrastructure and resources - N/A	2%
Enforcing rules and regulations - Difficult	13%
Enforcing rules and regulations - Somewhat difficult	47%
Enforcing rules and regulations - Not difficult	24%
Enforcing rules and regulations - N/A	1%
Alleviating visitor impacts on natural resources - Difficult	18%
Alleviating visitor impacts on natural resources - Somewhat difficult	42%
Alleviating visitor impacts on natural resources - Not difficult	21%
Alleviating visitor impacts on natural resources - N/A	4%

	<b>Percentage Responding</b>
Informing visitors of rules and regulations - Difficult	11%
Informing visitors of rules and regulations - Somewhat difficult	40%
Informing visitors of rules and regulations - Not difficult	34%
Informing visitors of rules and regulations - N/A	1%
Alleviating user conflicts - Difficult	9%
Alleviating user conflicts - Somewhat difficult	39%
Alleviating user conflicts - Not difficult	33%
Alleviating user conflicts - N/A	2%
Setting fees so that costs do not hinder participation - Difficult	15%
Setting fees so that costs do not hinder participation - Somewhat difficult	28%
Setting fees so that costs do not hinder participation - Not difficult	37%
Setting fees so that costs do not hinder participation - N/A	6%
Working with other outdoor recreation providers - Difficult	5%
Working with other outdoor recreation providers - Somewhat difficult	24%
Working with other outdoor recreation providers - Not difficult	47%
Working with other outdoor recreation providers - N/A	9%

8. Rate the overall importance of the issues facing your park/park system.

	<b>Percentage Responding</b>
Funding - Not important	1%
Funding - Somewhat important	2%
Funding - Important	82%
Funding - N/A	0%
Meeting Public Needs - Not important	1%
Meeting Public Needs - Somewhat important	12%
Meeting Public Needs - Important	71%
Meeting Public Needs - N/A	1%
Management - Not important	3%
Management - Somewhat important	21%
Management - Important	61%
Management - N/A	1%
Land Protection - Not important	3%
Land Protection - Somewhat important	28%
Land Protection - Important	51%
Land Protection - N/A	3%

9. Rate the importance of the types of parks/areas NEEDED NOW in your park system.

	<b>Percentage Responding</b>
Linear parks - trail linkages within your park system - Not important	11%
Linear parks - trail linkages within your park system - Somewhat important	23%
Linear parks - trail linkages within your park system - Important	44%
Linear parks - trail linkages within your park system - N/A	7%
Linear parks - trail linkages to other jurisdictions - Not important	15%
Linear parks - trail linkages to other jurisdictions - Somewhat important	28%
Linear parks - trail linkages to other jurisdictions - Important	29%
Linear parks - trail linkages to other jurisdictions - N/A	12%
Nature/conservation parks - Not important	12%
Nature/conservation parks - Somewhat important	33%
Nature/conservation parks - Important	33%
Nature/conservation parks - N/A	6%
Specialty parks (dog parks, skate parks, water parks, etc.) - Not important	15%
Specialty parks (dog parks, skate parks, water parks, etc.) - Somewhat important	28%
Specialty parks (dog parks, skate parks, water parks, etc.) - Important	27%
Specialty parks (dog parks, skate parks, water parks, etc.) - N/A	16%
Neighborhood/pocket parks - Not important	18%
Neighborhood/pocket parks - Somewhat important	28%
Neighborhood/pocket parks - Important	16%
Neighborhood/pocket parks - N/A	23%
Community parks - Not important	12%
Community parks - Somewhat important	23%
Community parks - Important	32%
Community parks - N/A	19%
Camping areas - Not important	23%
Camping areas - Somewhat important	27%
Camping areas - Important	21%
Camping areas - N/A	14%
Sports complexes - Not important	16%
Sports complexes - Somewhat important	19%
Sports complexes - Important	28%
Sports complexes - N/A	22%
Water-front parks - Not important	23%
Water-front parks - Somewhat important	18%
Water-front parks - Important	19%
Water-front parks - N/A	23%

	<b>Percentage Responding</b>
Regional/district parks - Not important	16%
Regional/district parks - Somewhat important	21%
Regional/district parks - Important	23%
Regional/district parks - N/A	24%
Cultural/historic parks - Not important	12%
Cultural/historic parks - Somewhat important	34%
Cultural/historic parks - Important	23%
Cultural/historic parks - N/A	17%
State Parks - Not important	16%
State Parks - Somewhat important	13%
State Parks - Important	29%
State Parks - N/A	25%
Equestrian facilities - Not important	33%
Equestrian facilities - Somewhat important	19%
Equestrian facilities - Important	11%
Equestrian facilities - N/A	21%
Linear parks - trail linkages within your park system - Not important	20%

10. Please indicate the most urgent facility needs in your park/park system.

	<b>Percentage Responding</b>
Natural park area/open space - Not urgent	20%
Natural park area/open space - Somewhat urgent	34%
Natural park area/open space - Urgent	24%
Natural park area/open space - N/A	5%
Nature/interpretive trails - Not urgent	18%
Nature/interpretive trails - Somewhat urgent	38%
Nature/interpretive trails - Urgent	20%
Nature/interpretive trails - N/A	6%
Paved trails for walking, hiking, skating or biking - Not urgent	18%
Paved trails for walking, hiking, skating or biking - Somewhat urgent	22%
Paved trails for walking, hiking, skating or biking - Urgent	31%
Paved trails for walking, hiking, skating or biking - N/A	12%
Unpaved trails for walking and hiking - Not urgent	16%
Unpaved trails for walking and hiking - Somewhat urgent	33%
Unpaved trails for walking and hiking - Urgent	29%
Unpaved trails for walking and hiking - N/A	4%
Nature/interpretive centers - Not urgent	28%
Nature/interpretive centers - Somewhat urgent	27%
Nature/interpretive centers - Urgent	20%
Nature/interpretive centers - N/A	8%

	<b>Percentage Responding</b>
Wildlife/nature observation sites - Not urgent	21%
Wildlife/nature observation sites - Somewhat urgent	34%
Wildlife/nature observation sites - Urgent	21%
Wildlife/nature observation sites - N/A	8%
Dog parks - Not urgent	27%
Dog parks - Somewhat urgent	25%
Dog parks - Urgent	10%
Dog parks - N/A	22%
Skate parks - Not urgent	35%
Skate parks - Somewhat urgent	15%
Skate parks - Urgent	7%
Skate parks - N/A	26%
Water parks - Not urgent	27%
Water parks - Somewhat urgent	16%
Water parks - Urgent	12%
Water parks - N/A	30%
Non-swimming water activities (splashpad, sprayground) - Not urgent	20%
Non-swimming water activities (splashpad, sprayground) - Somewhat urgent	14%
Non-swimming water activities (splashpad, sprayground) - Urgent	24%
Non-swimming water activities (splashpad, sprayground) - N/A	24%
Playgrounds - Not urgent	20%
Playgrounds - Somewhat urgent	24%
Playgrounds - Urgent	22%
Playgrounds - N/A	16%
Picnic shelters - Not urgent	20%
Picnic shelters - Somewhat urgent	33%
Picnic shelters - Urgent	26%
Picnic shelters - N/A	4%
Picnic areas - Not urgent	23%
Picnic areas - Somewhat urgent	36%
Picnic areas - Urgent	20%
Picnic areas - N/A	5%
Camping facilities - Not urgent	31%
Camping facilities - Somewhat urgent	30%
Camping facilities - Urgent	9%
Camping facilities - N/A	13%
Swimming pools - Not urgent	24%
Swimming pools - Somewhat urgent	14%
Swimming pools - Urgent	21%
Swimming pools - N/A	25%
Softball fields - Not urgent	19%
Softball fields - Somewhat urgent	19%

	<b>Percentage Responding</b>
Softball fields - Urgent	19%
Softball fields - N/A	25%
Baseball fields - Not urgent	24%
Baseball fields - Somewhat urgent	17%
Baseball fields - Urgent	16%
Baseball fields - N/A	26%
Soccer fields - Not urgent	19%
Soccer fields - Somewhat urgent	18%
Soccer fields - Urgent	21%
Soccer fields - N/A	26%
Multi-use fields - Not urgent	21%
Multi-use fields - Somewhat urgent	23%
Multi-use fields - Urgent	26%
Multi-use fields - N/A	14%
Basketball courts - Not urgent	31%
Basketball courts - Somewhat urgent	18%
Basketball courts - Urgent	11%
Basketball courts - N/A	24%
Fishing piers - Not urgent	28%
Fishing piers - Somewhat urgent	27%
Fishing piers - Urgent	9%
Fishing piers - N/A	21%
Mountain bike trails - Not urgent	22%
Mountain bike trails - Somewhat urgent	29%
Mountain bike trails - Urgent	18%
Mountain bike trails - N/A	14%
Shore/bank fishing - Not urgent	33%
Shore/bank fishing - Somewhat urgent	23%
Shore/bank fishing - Urgent	11%
Shore/bank fishing - N/A	17%
Volleyball courts - Not urgent	26%
Volleyball courts - Somewhat urgent	25%
Volleyball courts - Urgent	7%
Volleyball courts - N/A	25%
Football fields - Not urgent	29%
Football fields - Somewhat urgent	19%
Football fields - Urgent	7%
Football fields - N/A	28%
Non-motorized boating access (canoe, kayak) - Not urgent	23%
Non-motorized boating access (canoe, kayak) - Somewhat urgent	29%
Non-motorized boating access (canoe, kayak) - Urgent	18%
Non-motorized boating access (canoe, kayak) - N/A	14%
Tennis courts - Not urgent	26%
Tennis courts - Somewhat urgent	18%

	<b>Percentage Responding</b>
Tennis courts - Urgent	14%
Tennis courts - N/A	24%
Motorized, off-highway vehicle trails - Not urgent	41%
Motorized, off-highway vehicle trails - Somewhat urgent	8%
Motorized, off-highway vehicle trails - Urgent	6%
Motorized, off-highway vehicle trails - N/A	29%
Horseback riding trails - Not urgent	39%
Horseback riding trails - Somewhat urgent	17%
Horseback riding trails - Urgent	6%
Horseback riding trails - N/A	21%
Golf courses - Not urgent	44%
Golf courses - Somewhat urgent	6%
Golf courses - Urgent	2%
Golf courses - N/A	33%
Motorized boat launching ramps - Not urgent	38%
Motorized boat launching ramps - Somewhat urgent	14%
Motorized boat launching ramps - Urgent	6%
Motorized boat launching ramps - N/A	27%

11. Rate the level of the barriers that may limit citizens from visiting your parks or participating in your park programs.

	<b>Percentage Responding</b>
Lack of knowledge of available facilities - Major barrier	26%
Lack of knowledge of available facilities - Minor barrier	49%
Lack of knowledge of available facilities - Not a barrier	9%
Lack of knowledge of available facilities - N/A	0%
Lack of time - Major barrier	18%
Lack of time - Minor barrier	51%
Lack of time - Not a barrier	15%
Lack of time - N/A	1%
Not interested - Major barrier	17%
Not interested - Minor barrier	46%
Not interested - Not a barrier	18%
Not interested - N/A	3%
Poor health - Major barrier	17%
Poor health - Minor barrier	48%
Poor health - Not a barrier	14%
Poor health - N/A	3%
Lack of access to transportation - Major barrier	22%
Lack of access to transportation - Minor barrier	42%
Lack of access to transportation - Not a barrier	17%
Lack of access to transportation - N/A	2%

	<b>Percentage Responding</b>
Lack of accessible facilities - Major barrier	13%
Lack of accessible facilities - Minor barrier	39%
Lack of accessible facilities - Not a barrier	30%
Lack of accessible facilities - N/A	1%
Travel distance - Major barrier	19%
Travel distance - Minor barrier	37%
Travel distance - Not a barrier	25%
Travel distance - N/A	2%
Cost of travel - Major barrier	15%
Cost of travel - Minor barrier	43%
Cost of travel - Not a barrier	22%
Cost of travel - N/A	4%
Anxiety about being in the outdoors with limited knowledge/skills - Major barrier	8%
Anxiety about being in the outdoors with limited knowledge/skills - Minor barrier	41%
Anxiety about being in the outdoors with limited knowledge/skills - Not a barrier	31%
Anxiety about being in the outdoors with limited knowledge/skills - N/A	5%
Lack of security - Major barrier	3%
Lack of security - Minor barrier	30%
Lack of security - Not a barrier	49%
Lack of security - N/A	1%
Poor maintenance - Major barrier	5%
Poor maintenance - Minor barrier	13%
Poor maintenance - Not a barrier	64%
Poor maintenance - N/A	1%
High user fees - Major barrier	3%
High user fees - Minor barrier	14%
High user fees - Not a barrier	62%
High user fees - N/A	4%
Alcohol and drug use in parks - Major barrier	2%
Alcohol and drug use in parks - Minor barrier	18%
Alcohol and drug use in parks - Not a barrier	58%
Alcohol and drug use in parks - N/A	4%
Discrimination - Major barrier	1%
Discrimination - Minor barrier	5%
Discrimination - Not a barrier	71%
Discrimination - N/A	6%

## **Appendix E**

# **Open Project Selection Process**



# **NORTH CAROLINA'S OPEN PROJECT SELECTION PROCESS (OPSP)**

## **Introduction**

The State of North Carolina offers federal Land and Water Conservation Fund (LWCF) assistance for land acquisition and the development/renovation of outdoor recreational facilities through an open and competitive grant process known as the Open Project Selection Process (OPSP). Information on North Carolina's OPSP is provided for the benefit of the general public and potential local and state applicants. On behalf of the North Carolina Department of Environment and Natural Resources (DENR), the Division of Parks and Recreation (DPR) administer the LWCF grant program for the state.

The LWCF State Side Assistance Program was established by the LWCF Act of 1965 (Section 6, as amended; Public Law 88-578; U.S.C. 4601-4 et seq.) to stimulate a nationwide action program to assist in preserving, developing, and assuring all citizens of the United States, in present and future generations, such quality and quantity of outdoor recreation resources as may be available and are necessary and desirable for individual active participation.

A requirement for States to maintain their eligibility to receive LWCF monies is the completion of an approved Statewide Comprehensive Outdoor Recreation Plan (SCORP) and the OPSP once every five years. North Carolina's OPSP was developed in accordance with the National Park Service (NPS) requirements cited in the OPSP chapter of the LWCF Federal Financial Assistance Manual, October 1, 2008.

The state's annual LWCF apportionment is used as 50:50 matching grants for eligible state park projects and/or for eligible local government projects. Eligible local applicants include counties, towns, cities, villages and public authorities with legal authority to provide public recreation. Federally recognized Native American tribes also are eligible as a local government.

The administration of North Carolina's program, including the selection criteria and rating process is the focus of this document. The rating system was developed to process state and local acquisition and development projects to ensure that the selection of competing projects for funding is fair and equitable.

The current OPSP consists of the following seven components required by the National Park Service (NPS). These components are identified and explained in the following sections:

- 1) Priority Rating Systems,
- 2) Project Selection Process,
- 3) Recurring Funding Cycle,
- 4) Public Notification,
- 5) Program Technical Assistance,
- 6) Public Participation, and
- 7) Funding Distribution

## **Priority Rating System**

North Carolina's priority rating system is based on a point system which is used to rank projects according to specified criteria. The criteria are used to evaluate the project need, applicant compliance history, site and project quality and alignment with the current SCORP goals.

The state has two OPSP priority rating systems: one for local projects and one for state park projects.

## **Project Selection Process**

Submitted applications (local and state parks) will be scored using published scoring criteria. The scoring criteria favor a project's direct linkage to identified SCORP goals and initiatives. Additional scoring categories for local projects will include, but are not limited to: the provision of new and/or renovated outdoor recreation facilities, local planning efforts, public participation at the project sponsor level, needy local applicants, site consideration, clientele served, accessibility of the proposed project, ability of the sponsor to operate and maintain the project after development and/or acquisition and previous grant administration compliance.

The total score awarded to each local and/or state park project will determine rankings. Projects with the highest total scores that fall within the available LWCF funds will be recommended for funding first. If the last project on the list can only be partially funded, the SLO will ask the project sponsor(s) if they are willing to increase their percentage of project match to complete the project as proposed within the available funds. If the project sponsor does not wish to reduce their project's LWCF amount, then the project is removed from the lists of projects recommended for funding that year. The project ranked next on the list shall be selected and subjected to the same process. The process will be repeated until a project is found for which the available funds can be used. All projects that are not funded may reapply the next time that local projects are eligible for funding consideration.

## **Recurring Funding Cycle**

North Carolina's LWCF Grants Program is administered on an annual cycle.

## **Public Notification**

The funding cycle begins each year upon when the Secretary of the Interior issues the notice of apportionment to the governor. This notification identifies the amount of funds which will be made available to North Carolina for the LWCF grant program. Upon notification, DPR solicits applications for proposed projects from political subdivisions across the state, including Native American tribal governments, and state parks through email notification and on the Division's website.

The Division maintains a comprehensive mailing and email list of all potentially eligible applicants. This list includes names and addresses of political subdivisions and parks and recreation directors throughout the state who have jurisdictional responsibility for recreation, or who may have a related interest in public recreational development. Included on this list are the names of special interest groups, professional and community organizations, and others who have expressed an interest in the LWCF program.

Anyone interested in the LWCF program in North Carolina may find the information posted on the Division of Parks and Recreation's website. The announcements include the application schedule, deadline, and anticipated date of notification of approved or selected projects. The application and other required documents as well as program information can be assessed and downloaded from DPR's website. A hard copy can be requested as well.

The following funding schedule dates are approximate for projects. The schedule was developed based on the assumption that the state will be notified of its annual apportionment by March of each year. If notification is received later, the schedule may be delayed accordingly.

August 1 – Public notification of the grant cycle.

January 31 – Deadline for the submission of current federal fiscal year applications to DPR.

February/March – Applications are reviewed, evaluated and rated per the state's LWCF Priority Rating System. The Recreation Resources Service (RRS) at North Carolina State University conducts pre-award inspections of each project site. On behalf of DPR, RRS provides field administration for the LWCF and NC Parks and Recreation Trust Fund (PARTF) programs. DPR's grant staff and RRS consultants rate all applications and submit the ranked listing to the State Liaison Officer (SLO) and Alternate State Liaison Officer (ASLO) for funding consideration.

August 15 – State Liaison Officer's recommended projects are submitted to Southeast Regional Office of NPS for review, approval and execution of project agreements. For local projects, DENR project agreements are initiated after NPS approval is attained.

This schedule allows the State to submit its selected projects to NPS in time for federal approval and obligation of funds prior to the end of the federal fiscal year, September 30.

### **Program Technical Assistance**

DPR provides outreach and technical assistance to potential local LWCF applicants through regional RRS consultants and through DPR and RRS's websites. DPR and RRS makes every effort possible to answer questions regarding application procedures, the proper completion of an application, and the criteria used for project selection and grant awards. Site visits with the

applicant will occur prior to the scoring and rating of projects to better understand the project and the site's environmental suitability for the proposed project.

DPR's grants staff will provide outreach and technical assistance to potential state park LWCF applicants as requested. Also, grant staff will conduct site visits with state park applicants prior to the scoring and rating of projects.

### **Public Participation**

Federal guidelines require that the state's SCORP and OPSP include opportunities for public participation before implementation of the new program criteria. Public participation is required to assure that the preparation and revision of the selection process and rating systems are based on citizen involvement and public participation. In North Carolina, public involvement in determining the SCORP goals and the selection process was made in several ways.

Public participation throughout the SCORP planning process was instrumental in determining the major outdoor recreation issues which are a significant part of the selection process and rating system for state and local projects. All document/press releases were posted on DPR's website. In addition, two separate surveys (general public and recreation providers) were used to ensure public participation and input into the development of the state's SCORP goals and initiatives, and therefore, the associated scoring system's criteria. Several presentations were made at conferences throughout the process including the North Carolina Recreation and Park Association's annual conference, Municipal and County Recreation Director's Conference, and the first ever North Carolina State Trails Conference. Information about the LWCF program and SCORP was made available at the NC League of Municipalities and NC Association of County Commissioner's conferences.

# Project Evaluation Criteria for Local Governments



State of North Carolina

Department of Environment and Natural Resources

February 2015

## Scoring Summary

Category	Points Awarded by Type of Project		
	Acquiring Land	Developing Recreation Facilities	Both Land and Facilities
Planning	10	20	20
Public Involvement	15	15	15
Recreation Facilities	0	55	55
Site Considerations	5	5	5
Operation and Maintenance	15	15	15
Land Acquisition	15	0	15
Clientele Served	0	5	5
Past LWCF per Capita Funding	10	10	10
Consistency with the NC Outdoor Recreation Plan	20	50	50
Total Possible Points	90	175	190
Bonus: plus or minus 12 points for projects involving factors including partnerships, interconnected trail networks, access to public waters, as well as the quality of previous projects			

## LWCF Scoring System for Local Grants

Please provide all of the information requested for each item. Attach a separate page if more space is needed to address any item. Before beginning, please refer to the Definitions Section (page 10-13). A team of LWCF staff and regional consultants will evaluate each application based on the scoring system and make the final decision about the applicant's score.

<b>Applicant:</b>
<b>Project:</b>

### A. Planning: (20 possible points)

#### 1. Master Plan for the park and/or greenway system (10 points)

(Not applicable for projects proposing land acquisition only)

- a.  The applicant has a master plan created or revised within the past five years for the project site and the project conforms to the plan.

Date the plan was produced: \_\_\_\_\_ (9 points)

**or**

- b.  The applicant has a master plan created or revised within the past six years to ten years for the project site and the project conforms to the plan.

Date the plan was produced: \_\_\_\_\_ (4 points)

- c.  The local governing board has adopted the master plan.

Date the plan was adopted/accepted: \_\_\_\_\_ (1 point)

#### Documentation Required:

- Three copies of the park master plan or greenway system plan.
- Three copies of the local governing board's meeting minutes or resolution as documentation of the adoption or acceptance.
- List the page number(s) and tab or highlight where the project is referenced in the plan.

#### 2. Comprehensive systemwide parks and recreation plan for the local government's jurisdiction (7 points)

- a.  The applicant has a Comprehensive Systemwide Parks and Recreation Plan produced or revised in the past 10 years and the project conforms to the plan.

Date the plan was produced: \_\_\_\_\_ (6 points)

- b.  The local governing board has adopted the systemwide plan.

Date the plan was adopted/accepted: \_\_\_\_\_ (1 point)

#### Documentation Required:

- Three copies of the comprehensive systemwide parks and recreation plan.
- Three copies of the local governing board's meeting minutes or resolution as documentation of the official adoption or acceptance.
- List the page number(s) and tab or highlight where the project is referenced in the plan.

**3. 3-5 year capital improvement plan for parks and recreation (3 points)**

- The applicant has a 3-5 year parks and recreation plan or a capital improvements plan for parks and recreation and the project is identified in the plan.

Date the plan was adopted/accepted: \_\_\_\_\_ (3 points)

**Documentation Required:**

- Three copies of the capital improvement plan.
- Three copies of the local governing board's meeting minutes or resolution as documentation of their adoption or acceptance as a part of the local government's budget process.
- List the page number(s) and tab or highlight where the project is referenced in the plan.

**B. Level of public involvement in developing and supporting the project: (15 possible points)**

**1. Public meetings (5 points):**

- The applicant conducted a public meeting(s) exclusively for discussing the project and obtaining comments. The public supported the project.

Date of the meeting(s): \_\_\_\_\_

**Documentation Required:**

- Provide a title page that gives the name of applicant, the name of the project and identifies the document as "Public Meetings."
- Three copies of the newspaper advertisement or a document describing the other means used to widely advertise the meeting.
- Three copies of the minutes, including the discussion of the project, who was present and public comments.

**2. Recreational needs survey (5 points):**

- The results of a survey to determine the recreational needs in the applicant's jurisdiction show that the citizens support the project. The survey was conducted during the past ten years.

**Documentation Required:**

- A title page that gives the name of applicant, the name of the project and identifies the document as "Survey of Recreational Needs."
- Questionnaire
- Results of the survey
- Describe how the survey was distributed. Give the date(s) of distribution and the number of surveys distributed. Include a description of the respondents to insure that there are enough and that they are representative of the population in the local government's jurisdiction.
- Describe how the results of the survey show that the citizens support the project.

**3. Support from civic (non-governmental) groups (3 points):**

- The applicant presented the project to two or more local groups (Example: civic groups, neighborhood associations, youth organizations, advisory boards, etc.) and received support for the project.

**Documentation Required:**

- Include a title page that gives the applicant’s name, the project’s name and identifies the document as “Presentations to Local Groups.”
- Three (3) copies of the agenda, minutes or other documentation from the groups that confirm the dates of the meetings and the presentations given by the applicant.
- *Note: support letters do not count as presentations.*

Name of the Organization	Date of the Presentation	Meeting agenda or letter from the organization included in the application?

**4. Support from a parks and recreation board (2 points):**

- The applicant presented the project to the parks and recreation advisory board or a similarly appointed group and received a motion of support for the project.

Date of the meeting(s): \_\_\_\_\_

**Documentation Required:**

- Include a title page that gives the name of the applicant, the project and identifies the document as “Presentation to Advisory Board.”
- Three copies of the minutes from the meeting that include support for the project.

**C. Public recreational facilities provided by the project: (55 possible points)  
(Does not apply for applications proposing land acquisition only.)**

**1. The local government will be building its first public park on property that it owns. (20 points)**

- Yes  No

**Explain:**

**2. New, like or renovated facilities to be provided: (Maximum 30 points for the sum of 2a, 2b and 2c.)**

a. The project will provide (check one):

- 3 or more types of new recreational facilities (20 points)
- 2 types of new recreational facilities (15 points)
- 1 type of new recreational facility (10 points)

**List the new types of recreational facilities:**

b. The project will add recreational facilities at the park that are like the facilities that exist at the park. The project will add (check one):

- 3 or more types of recreational facilities (12 points)
- 2 types of recreational facilities (8 points)
- 1 type of recreational facility (4 points)

**List the types of recreational facilities:**

c. The project will provide major renovation of (check one):

- 3 or more types of recreational facilities (8 points)
- 2 types of recreational facilities (6 points)
- 1 type of recreational facility (4 points)

**List the recreational facilities to be renovated and why each renovation is needed:**

**3. The project will provide a trail or greenway (1/4 mile or longer) that links to existing recreation area(s), school(s), downtown businesses, and/or communities located outside of the park. (5 points)**

- Yes       No

**Site plan must show trail linkage. Also, please identify by name and location the existing trail and areas to be linked by the proposed trail:**

**D. The suitability of the site for the proposed project. (5 possible points)**

1.  The site is suited for the proposed development with minimal adverse impact to the environment. (1 point)
2.  The location of the site enhances the park and the public's access to the park. Describe how the location of the site will enhance the park and the public's access to the park. (1 point)
3.  The site is enhanced by the adjacent property uses. Describe the uses of the adjacent property and how they will enhance the park. (1 point)
4.  The proposed site is large enough to adequately accommodate the proposed development. The proposed project will require minimal site preparation considering the geographic region where it is located. (1 point)
5.  The site is free of restrictive easements, overhead power lines, or other intrusions that would limit the proposed development or cause a safety hazard for users. (1 point)

**To be awarded these points, the applicant must adequately describe why the proposed project meets each of the five criteria. For land acquisition only projects, base comments on the proposed plan for developing the site after completing the LWCF project.**

**E. The applicant's commitment to operating and maintaining the project. (15 possible points)**

1.  The applicant has a full-time parks and recreation department that will manage the project site to provide programming and to ensure adequate operation and maintenance. (15 points)
2.  The applicant has a full-time staff, such as a public works, who will manage the project site to ensure adequate operation and maintenance. (8 points)
3.  The applicant will manage the project site with part-time staff or by contractual agreement to ensure adequate operation and maintenance. (4 points)
4.  An organized volunteer group, such as a civic group or youth sports association will operate and maintain the site. (2 points)

**Provide the name of the organization that will operate and maintain the site:**

**If the applicant is not going to operate the site with full-time staff, (see # 3 & #4), describe how and when the site will be open to the general public.**

**F. Land acquisition (15 possible points)**

1.  If not purchased at this time, a significant natural, cultural, recreational, scenic or highly-threatened resource will be used for other purposes. (15 points)
2.  The site is an excellent natural and/or recreational resource. (10 points)
3.  The site is an average natural and/or recreational resource. (5 points)

**Describe in detail why the site's resources should receive 5, 10, or 15 points:**

Not applicable for projects proposing facility development only.

**G. Clientele served and accessibility (5 possible points)**

1.  Proposed project is designed primarily for use by persons with disabilities. (3 points)
2.  Proposed project will renovate existing facility(s) to make them accessible to persons with disabilities. (2 points)

Not applicable for projects proposing land acquisition only.

**H. Previous LWCF funding (10 possible points – refer to per capita funding ranking on page E - 20)**

1. Level of local LWCF funding per capita by county (10 possible points)

<b>County rank (from high to low) per capita LWCF funding</b>	<b>Points Awarded</b>
1 - 10	1
11 - 20	2
21-30	3
31-40	4
41-50	5
51-60	6
61-70	7
71-80	8
81-90	9
91 – 100	10

**I. Consistency with SCORP priorities – Geographic distribution, public preferences for recreation activities, contribution to SCORP goals and objectives, and recreation facility needs identified by recreation managers. (50 possible points)**

1.  Geographic distribution – Refer to the list of counties ranked by current supply of outdoor recreation resources on page E – 21 & 22 (15 points)

<b>County rank (from high to low) based on residents per facility or local park acres</b>	<b>Points Awarded</b>
1 - 10	1.5
11 - 20	3
21-30	4.5
31-40	6
41-50 (or facility not listed)	7.5
51-60	9
61-70	10.5
71-80	12
81-90	13.5
91 – 100	15

**Facility groups:**

Athletic fields include baseball, softball, football, soccer, and multi-purpose fields.

Athletic courts include basketball courts, tennis courts, and volleyball courts.

Trail miles include all types of trails.

For acquisition projects, refer to the local park acreage listing.

Applications proposing several types of facilities with different points awarded will be averaged.

2.  Public preferences - Comparing LWCF Applications based on the public preferences for recreation. See the list of recreational activities ranked by public participation on page E - 23. (15 points)

<b>Activity rank (from high to low) based on percentage of the public participating</b>	<b>Points Awarded</b>
Highest ranked group	15
2 <sup>nd</sup> ranked group	13.5
3 <sup>rd</sup> ranked group	12
4 <sup>th</sup> ranked group	10.5
5 <sup>th</sup> group (or activity not listed)	9
6 <sup>th</sup> group	7.5
7 <sup>th</sup> group	6
8 <sup>th</sup> group	4.5
9 <sup>th</sup> group	3
10 <sup>th</sup> group	1.5

Applications proposing several types of activities with different points awarded will be averaged.

Not applicable for projects proposing land acquisition only.

3. Contribution to SCORP goals, objectives and initiatives (5 points)

<b>Number of Objectives Addressed</b>	<b>Points Awarded</b>
Five or Six	5
Four	4
Three	3
Two	2
One	1

Objective # 1: Meet the needs of North Carolina’s rapidly growing population by maintaining and enhancing its outdoor recreation resources;

Objective # 2: Support improvements in public health and fitness by increasing opportunities for physical activity;

Objective # 3: Improve the visibility of and public access to public recreation areas and foster cooperation between public recreation managers;

Objective # 4: Promote the economic advantages of the state’s recreation opportunities for communities across North Carolina;

Objective # 5: Promote and conserve North Carolina’s vast and high quality natural resources and landscapes;

Objective # 6: Increase public awareness of the state’s natural resources and outdoor recreation opportunities, to include the significance of conservation, through interpretation, education and outreach.

4.  Recreation facility needs identified by recreation managers in North Carolina. Refer to the list of recreation facilities ranked as most urgently needed on page E - 24 (15 points)

<b>Recreation facilities and areas ranked (from high to low) based on priorities identified by recreation managers</b>	<b>Points Awarded</b>
Highest ranked group	15
2 <sup>nd</sup> ranked group	10
3 <sup>rd</sup> ranked group	5
4 <sup>th</sup> group (or activity not listed)	2

Applications proposing several types of activities with different points awarded will be averaged.

Not applicable for projects proposing land acquisition only.

**J. Other positive or negative factors: (+ 12 or – 12 possible points)**

1. Positive Features ( + 12 points possible)

- a.  Application is a joint project between two or more units of government or the project is identified in a multi-jurisdictional parks and recreation plan adopted by the applicant(s). (+3 points)
- b.  Application is for an interconnected trail that links to an existing recreation area(s), school(s), businesses and/or communities located outside of the project site. (+2 points)
- c.  Project proposes new recreational facility to provide public access to public waters (such as river, ocean, sound, or lake). (+2 points)
- d.  Applicant has: developed quality outdoor recreation facilities and they are well maintained for public use.

or

Applicant has satisfactorily completed and complied with grant compliance guidelines on previous LWCF and/or PARTF projects. (+ 5 points)

2. Negative Feature(s) ( - 12 points possible)

- a.  Applicant has an active LWCF or PARTF grant (- 2 points)
- b.  Poor application documentation (poor maps/site plan, instructions not followed, missing documentation, unrealistic budget, inconsistencies, etc.) (-3 points)
- c.  Over half of the project's cost is for site preparation and/or support facilities (such as restrooms, roads, utilities, dredging, landscaping, etc.) (-2 points)
- d.  Applicant has history of poor quality and/or substandard maintenance and operation of their outdoor recreation facilities.

or

Below average compliance with grant guidelines and/or currently has an outstanding compliance problem with an existing or previous project. (-5 points)

## Definitions Section

1. **Recreational Facility:** The following list provides examples of projects that will qualify as new types of recreational facilities or areas.

A. **Examples of Recreational Facilities and Areas:**

- Sports facilities including tennis courts, soccer fields, ballfields, running tracks, volleyball courts and basketball courts.
- Swimming facilities including swimming pools, spraygrounds, wave-making pools, wading pools, and swim beaches.
- Trails within a park with a minimum continuous length of 1/4 mile including nature trails, hiking trails, bicycling trails, parcours, and equestrian trails.
- Greenways - linear open spaces connecting parks or other public areas that are 1/4 mile or longer and usually contain a multi-purpose trail.
- Camping facilities including cabins, group camps, and tent and trailer campgrounds.
- Picnic facilities including picnic shelters with tables and grills, or picnic areas with groups of tables, grills and trash receptacles.
- Interpretive facilities for nature study, viewing scenery and photography including observation decks, viewing platforms, boardwalks. May also include benches and interpretive signs.
- Playgrounds (for children ages 6-12) and tot lots (for children ages 2-5).
- Amphitheaters.
- Fishing and boating facilities including man-made lakes or ponds, docks, launching ramps, piers, and marinas.
- Large designated open areas with landscaping, benches, and walkways intended for recreational activities such as sunbathing, relaxing with family and friends, informal picnics and games.

B. **Support facilities** are **not** recreational facilities: Support facilities include parking lots, roads, lighting, bleachers, restrooms, concession buildings, fencing, landscaping, site preparation, bridges, utilities, sidewalks, stairways, drinking fountains, and maintenance buildings. Recreational programs, such as sports activities, classes or lessons, are not facilities.

2. **Renovation:** The extensive reconstruction of a facility to restore or improve its usefulness to its original purpose. A renovation project will not be awarded points under the scoring system if the facility's deterioration is due to inadequate maintenance during its reasonable lifetime. Renovating a recreational or non-recreational facility for a new recreation use would apply to new and/or like recreational facilities.

### 3. Master Plan for the Park or Greenway System

**Master Plan for the Park:** A long-range plan for one park that contains a site analysis; a description of the community's recreational needs; property acquisition boundaries; and the proposed location of all capital improvements. A master plan document must adequately address all of the following items:

- Site analysis - Describe and evaluate the site's natural, historic, and man-made features. These include items such as topography, soils, vegetation, hydrology, significant natural communities, wetlands, existing structures, and public access.
- Recreational needs - Identify the recreational opportunities that the public prefers using meetings or a survey. Describe how the recreational opportunities being proposed by the master plan relate to existing recreational facilities and services in the jurisdiction (this may be a part of the system-wide comprehensive plan).
- Program description - Identify the main purposes of the park including a description of the how the local government will design the park to be used by the public.
- Physical needs - Identify the physical needs of the park's site. Include any land the local government will acquire and any capital improvements (buildings, recreation facilities, roads, utilities). All land and capital improvements proposed in the PARTF application must be included in the master plan.
- Project costs for property acquisition and capital improvements, divided into phases if necessary. The cost information can be provided in a separate document that is submitted with the master plan.
- Site plans and illustrations depicting the boundaries of land to be acquired and the location of facilities.
- Public Involvement - Describe how the local government involved a broad range of the citizens in its jurisdiction as the master plan was being developed. Examples include public meetings or advisory committee meetings. This description can also be provided in a separate document that is submitted with the master plan.

**Greenway System Plan** - A long-range plan to develop a framework for building an integrated system of trails that will link citizens to the outdoors. A greenway system plan must adequately address all the following items:

- Vision, Goals and Objectives - The goals and objectives the local government would like the plan to accomplish related to the different uses/benefits of the greenway, especially in reference to recreation/fitness/health.
- Inventory Existing Data and Related Plans – the identification and mapping of existing natural resources, man-made features and linear greenway corridors within the local jurisdiction that might influence the development of the greenway system.
- Analyze Data and Develop/Map Proposed Greenway – review and analysis of all data collected to allow the local government to:
  - Identify potential greenway corridors,
  - Identify hubs/destinations that are either natural resource based or man-made (or a combination of the two) which should be part of the greenway system,
  - Identify important and threatened open space that should be part of the greenway system including ecologically or biologically significant areas or hubs,
  - Identify and discuss greenway development challenges such as floodways, active railroad tracks/crossings, major roadway crossings, etc.

- Mapping - the result of the above analysis is a map(s) and text to describe the proposed system. The map(s) should illustrate not only existing greenway system elements, but also the proposed greenway network envisioned by the local government.
  - Action Plan – develop a specific action plan that will position the local government to move forward in realizing the proposed greenway system. The action plan should include:
    - A listing of action steps that set priorities,
    - Roles and responsibilities in implementing the plan,
    - Cost estimates, resources and potential funding options needed to address action steps, and
    - Greenway corridor segments identified as potential pilot projects.
  - Public Involvement - A description of how the local government involved a broad range and representative number of its citizens as the greenway plan was prepared. Examples include a random survey of the citizens; a series of public meetings that would give most citizens an opportunity to participate; a series of focus group meetings that involve the representatives of the jurisdiction’s population; or a combination of these efforts. Please address the number of people who participated and who they represented for each level of public involvement used.
  - Maintenance, Management and Operational Policies – address policies that will provide the basis for making decisions related to trail maintenance, management and security.
  - The cost information and description of public involvement can be provided in a separate document that is submitted with the greenway plan.
4. **Comprehensive Systemwide Plan for Parks and Recreation:** A long-term plan that describes how a local government will address the recreational needs of the citizens in its jurisdiction. A systemwide plan document must adequately address all of the following items:
- Produced or revised within the past ten years.
  - A description of the jurisdiction’s residents and their preferences for recreational activities and facilities.
  - An evaluation of existing recreational facilities and park land such as local and state parks, school facilities, the Y, churches, private sector, etc. to determine if the community’s current and future recreational needs are being met.
  - An estimate of the park land to be acquired and the recreational facilities to be developed to address shortfalls in current services.
  - A detailed description of how the local government involved a broad range and representative number of its citizens as the plan was prepared.
    - Examples include a random survey of the citizens; a series of public meetings that would give most citizens an opportunity to participate; a series of focus group meetings that involve the representatives of the jurisdiction’s population; or a combination of these efforts.
    - This description may be provided in a separate document if it is not included in the plan. Please address the number of people who participated and who they represented.
5. **Capital Improvement Plan / Three-to-Five Year Park and Recreation Plan:** A plan that lists all of the capital expenditures, and / or specifically all park and recreation projects, that a local government has approved for funding and scheduled for the near future. The plan is a component of the local government’s regular budget cycle.

6. **Survey of Recreational Needs:** A survey of the citizens in the local government's jurisdiction to identify their needs and preferences for recreational opportunities. The local government can use the survey as one of the first steps in developing a master plan for a specific park or a system wide comprehensive park and recreation plan for the entire jurisdiction. Through the survey, citizens can give their preferences for different *types of* recreation and facilities. The local government uses the survey's results to establish recreational priorities for the jurisdiction.

The local government must distribute the questionnaire to a broad and representative sample of its citizens. The questionnaire can be distributed through the mail, door-to-door, person-to-person, by telephone, in focus groups and in public meetings.

The following key elements of the survey must be documented:

1. The survey should be distributed to a sample of citizens that is sufficiently large and varied enough to be representative of the population in the jurisdiction. A random sample of the population is preferred.
2. The number of respondents should be sufficiently large enough to adequately represent the population of the jurisdiction.
3. The questions must be clear and unbiased.
4. The questions should not limit the citizens to choosing from a narrow list of recreational opportunities.
5. Copies of the same questionnaire must be distributed to everyone in the sample.
6. The results should include some demographics of the respondents to ensure that they are representative of the population in the jurisdiction.
7. The survey must have been conducted within the past ten years.
8. The survey must be conducted and results received before the local government begins planning the PARTF project.

**Table for Item H - Level of Local LWCF Spending Per Capita by County**

Rank	County	LWCF Assistance	2015 Population	LWCF per Capita	Rank	County	LWCF Assistance	2015 Population	LWCF per Capita
33	Alamance	1,103,154	154,511	\$ 7.14	71	Johnston	613,254	182,547	\$ 3.36
26	Alexander	313,223	37,268	\$ 8.40	93	Jones	13,508	10,439	\$ 1.29
7	Alleghany	176,398	11,114	\$ 15.87	23	Lee	527,442	61,618	\$ 8.56
32	Anson	191,455	26,688	\$ 7.17	51	Lenoir	299,186	59,110	\$ 5.06
24	Ashe	234,103	27,399	\$ 8.54	76	Lincoln	240,022	80,980	\$ 2.96
12	Avery	220,207	17,833	\$ 12.35	11	Macon	445,588	34,095	\$ 13.07
85	Beaufort	108,482	47,780	\$ 2.27	22	Madison	182,752	21,320	\$ 8.57
89	Bertie	44,332	20,734	\$ 2.14	5	Martin	403,585	23,607	\$ 17.10
38	Bladen	230,939	35,317	\$ 6.54	21	McDowell	402,585	45,258	\$ 8.90
82	Brunswick	313,645	122,340	\$ 2.56	70	Mecklenburg	3,469,612	1,030,572	\$ 3.37
67	Buncombe	988,663	254,358	\$ 3.89	2	Mitchell	365,354	15,408	\$ 23.71
27	Burke	724,926	89,300	\$ 8.12	6	Montgomery	453,361	27,742	\$ 16.34
65	Cabarrus	787,009	192,847	\$ 4.08	46	Moore	554,646	93,963	\$ 5.90
14	Caldwell	934,429	82,502	\$ 11.33	43	Nash	569,395	94,197	\$ 6.04
18	Camden	95,633	10,166	\$ 9.41	87	New Hanover	492,379	222,168	\$ 2.22
9	Carteret	1,002,465	70,812	\$ 14.16	72	Northampton	66,996	20,738	\$ 3.23
17	Caswell	223,133	23,718	\$ 9.41	39	Onslow	1,277,952	197,791	\$ 6.46
60	Catawba	675,138	155,200	\$ 4.35	45	Orange	854,690	142,687	\$ 5.99
88	Chatham	150,345	69,530	\$ 2.16	28	Pamlico	104,048	13,108	\$ 7.94
13	Cherokee	320,329	27,253	\$ 11.75	59	Pasquotank	174,096	39,445	\$ 4.41
15	Chowan	160,009	14,919	\$ 10.73	95	Pender	27,150	57,680	\$ 0.47
97	Clay	-	10,584	\$ -	80	Perquimans	39,779	14,176	\$ 2.81
69	Cleveland	332,702	97,274	\$ 3.42	68	Person	139,592	39,459	\$ 3.54
62	Columbus	247,000	57,738	\$ 4.28	74	Pitt	551,440	176,109	\$ 3.13
78	Craven	314,775	107,919	\$ 2.92	34	Polk	138,415	20,761	\$ 6.67
86	Cumberland	745,699	332,568	\$ 2.24	31	Randolph	1,036,779	142,400	\$ 7.28
92	Currituck	35,465	23,802	\$ 1.49	4	Richmond	807,366	46,253	\$ 17.46
10	Dare	465,130	35,360	\$ 13.15	48	Robeson	723,802	132,732	\$ 5.45
81	Davidson	445,789	164,557	\$ 2.71	53	Rockingham	453,295	91,872	\$ 4.93
63	Davie	178,723	41,806	\$ 4.28	19	Rowan	1,312,095	140,170	\$ 9.36
56	Duplin	277,673	60,462	\$ 4.59	83	Rutherford	169,440	67,177	\$ 2.52
58	Durham	1,322,481	296,452	\$ 4.46	29	Sampson	479,692	64,644	\$ 7.42
3	Edgecombe	1,036,516	55,744	\$ 18.59	8	Scotland	555,400	35,720	\$ 15.55
37	Forsyth	2,398,714	363,817	\$ 6.59	16	Stanly	646,645	61,339	\$ 10.54
84	Franklin	150,346	64,207	\$ 2.34	41	Stokes	290,411	46,144	\$ 6.29
52	Gaston	1,053,671	212,868	\$ 4.95	40	Surry	468,409	73,521	\$ 6.37
98	Gates	-	11,430	\$ -	1	Swain	433,771	14,829	\$ 29.25
75	Graham	27,227	9,112	\$ 2.99	20	Transylvania	308,604	33,845	\$ 9.12
35	Granville	384,781	58,046	\$ 6.63	47	Tyrrell	24,008	4,180	\$ 5.74
36	Greene	140,212	21,211	\$ 6.61	79	Union	624,168	220,792	\$ 2.83
44	Guilford	3,103,164	517,284	\$ 6.00	90	Vance	87,566	45,022	\$ 1.94
49	Halifax	272,793	53,102	\$ 5.14	66	Wake	4,068,305	1,003,596	\$ 4.05
57	Harnett	576,571	126,886	\$ 4.54	100	Warren	-	20,458	\$ -
30	Haywood	446,442	60,334	\$ 7.40	77	Washington	37,730	12,792	\$ 2.95
64	Henderson	472,440	111,147	\$ 4.25	42	Watauga	328,019	52,816	\$ 6.21
91	Hertford	47,046	24,445	\$ 1.92	94	Wayne	133,408	125,800	\$ 1.06
96	Hoke	20,510	52,666	\$ 0.39	73	Wilkes	222,242	69,709	\$ 3.19
99	Hyde	-	5,934	\$ -	54	Wilson	411,299	84,553	\$ 4.86
50	Iredell	869,753	169,431	\$ 5.13	55	Yadkin	179,813	37,953	\$ 4.74
25	Jackson	346,835	41,031	\$ 8.45	61	Yancey	77,608	17,937	\$ 4.33

**Table for Item I.1 - NC Counties Ranked by Current Supply of Recreation Resources**

County	2015 Population	residents/ athletic field		residents/ athletic court		residents/ picnic shelter		residents / playground		residents / trail mile		residents / local park acre	
		Rank		Rank		Rank		Rank		Rank		Rank	
Alamance	154,511	32	1,776	41	2,664	14	3030	35	4682	49	3055	8	65
Alexander	37,268	50	2,070	99	18,634	97	0	34	4659	96	74536	84	490
Alleghany	11,114	99	11,114	2	1,111	27	3705	48	5557	8	191	32	150
Anson	26,688	9	988	78	4,448	19	3336	28	4448	29	1061	26	115
Ashe	27,399	53	2,108	80	4,566	47	5480	31	4566	57	4183	63	269
Avery	17,833	10	991	39	2,548	58	5944	56	5944	7	188	57	241
Beaufort	47,780	40	1,911	71	3,982	71	7963	58	5973	44	2459	59	244
Bertie	20,734	29	1,728	85	5,184	80	10367	81	10367	97	0	92	768
Bladen	35,317	63	2,523	69	3,924	56	5886	27	4415	40	2185	69	304
Brunswick	122,340	37	1,854	29	2,308	13	2984	53	5826	35	1605	7	61
Buncombe	254,358	66	2,650	43	2,795	52	5652	59	6204	32	1306	15	89
Burke	89,300	17	1,191	28	2,290	9	2481	29	4465	23	564	22	107
Cabarrus	192,847	71	2,878	57	3,269	32	4018	61	6650	92	18543	53	224
Caldwell	82,502	13	1,130	11	1,587	10	2500	16	3300	27	777	17	92
Camden	10,166	64	2,541	84	5,083	98	0	80	10166	14	385	95	1452
Carteret	70,812	8	920	14	1,647	16	3079	18	3372	15	390	47	199
Caswell	23,718	97	7,906	93	7,906	95	23718	98	23718	98	0	96	1482
Catawba	155,200	69	2,723	34	2,463	26	3609	10	2771	58	4240	13	78
Chatham	69,530	49	2,045	65	3,659	78	9933	66	6953	34	1593	31	145
Cherokee	27,253	34	1,817	36	2,478	40	4542	93	13626	16	395	43	182
Chowan	14,919	15	1,148	1	622	68	7460	6	2487	25	746	68	298
Clay	10,584	19	1,323	88	5,292	85	10584	83	10584	2	123	50	216
Cleveland	97,274	61	2,432	53	3,040	61	6485	65	6948	42	2269	4	46
Columbus	57,738	11	1,050	12	1,604	2	1443	3	1991	46	2600	19	99
Craven	107,919	43	1,962	66	3,721	75	8993	51	5680	47	2765	51	220
Cumberland	332,568	56	2,160	59	3,464	87	10728	67	7076	87	12139	67	285
Currituck	23,802	35	1,831	70	3,967	5	2380	57	5950	48	2975	54	227
Dare	35,360	23	1,414	9	1,473	31	3929	2	1964	13	333	6	55
Davidson	164,557	89	4,571	68	3,918	53	5674	44	5485	77	8661	64	274
Davie	41,806	98	8,361	81	4,645	83	10451	96	20903	99	0	85	504
Duplin	60,462	59	2,325	46	2,879	60	6046	46	5497	84	10335	70	312
Durham	296,452	91	4,860	35	2,470	64	6588	42	5390	59	4387	61	251
Edgecombe	55,744	92	5,068	50	2,934	45	5068	86	11149	91	16395	58	242
Forsyth	363,817	77	3,567	19	1,828	39	4492	38	4984	71	6725	5	51
Franklin	64,207	79	3,777	98	16,052	86	10701	92	12841	85	10701	81	434
Gaston	212,868	22	1,382	22	1,851	29	3870	33	4628	63	5199	28	117
Gates	11,430	14	1,143	3	1,270	98	11430	87	11430	17	434	98	1633
Graham	9,112	57	2,278	18	1,822	15	3037	100	0	1	44	99	1822
Granville	58,046	38	1,872	87	5,277	38	4465	68	7256	78	8664	66	284
Greene	21,211	41	1,928	89	5,303	36	4242	41	5303	72	7070	90	643
Guilford	517,284	31	1,759	24	2,173	30	3889	15	3193	45	2595	2	41
Halifax	53,102	73	3,319	38	2,529	34	4085	55	5900	30	1193	80	402
Harnett	126,886	54	2,115	79	4,532	90	14098	88	11535	51	3134	18	95
Haywood	60,334	51	2,080	55	3,175	65	6704	69	7542	20	464	91	754
Henderson	111,147	83	3,970	77	4,446	74	8550	79	10104	33	1380	56	240
Hertford	24,445	68	2,716	60	3,492	23	3492	13	3056	86	11640	21	106
Hoke	52,666	94	5,852	97	13,167	93	17555	94	17555	54	3511	100	10533
Hyde	5,934	95	5,934	91	5,934	57	5934	11	2967	10	276	88	539
Iredell	169,431	20	1,366	76	4,344	42	4579	43	5466	50	3125	37	165
Jackson	41,031	60	2,414	49	2,931	28	3730	24	3730	12	312	1	33
Johnston	182,547	76	3,511	83	5,071	76	9127	72	7937	76	8022	83	469
Jones	10,439	75	3,480	95	10,439	82	10439	82	10439	100	0	97	1491

**Table for Item I.1 - NC Counties Ranked by Current Supply of Recreation Resources**

County	2015 Population	residents/ athletic field		residents/ athletic court		residents/ picnic shelter		residents / playground		residents / trail mile		residents / local park acre	
		Rank		Rank		Rank		Rank		Rank		Rank	
Lee	61,618	88	4,401	64	3,625	79	10270	70	7702	53	3201	40	172
Lenoir	59,110	18	1,285	20	1,847	72	8444	60	6568	94	26868	46	192
Lincoln	80,980	80	3,856	94	10,123	89	13497	75	8998	93	18833	48	209
Macon	34,095	4	631	17	1,794	37	4262	63	6819	4	147	44	184
Madison	21,320	96	7,107	33	2,369	67	7107	84	10660	6	169	93	790
Martin	23,607	26	1,574	15	1,686	70	7869	19	3372	82	9443	60	245
McDowell	45,258	39	1,886	82	5,029	92	15086	97	22629	21	546	79	397
Mecklenburg	1,030,572	78	3,734	47	2,903	48	5511	40	5285	80	8884	3	44
Mitchell	15,408	7	856	8	1,401	3	1541	8	2568	11	287	86	514
Montgomery	27,742	90	4,624	21	1,849	50	5548	47	5548	19	451	77	391
Moore	93,963	67	2,685	45	2,847	49	5527	36	4698	39	2046	25	114
Nash	94,197	33	1,777	4	1,273	20	3364	7	2546	95	31399	41	173
New Hanover	222,168	30	1,736	31	2,339	46	5419	54	5847	69	6258	30	133
Northampton	20,738	85	4,148	74	4,148	81	10369	64	6913	55	3988	94	988
Onslow	197,791	87	4,395	72	4,037	77	9419	85	10988	64	5257	87	526
Orange	142,687	65	2,548	26	2,229	62	6486	45	5488	41	2216	11	74
Pamlico	13,108	6	819	40	2,622	1	1092	9	2622	79	8738	12	77
Pasquotank	39,445	24	1,461	5	1,315	51	5635	25	3944	36	1826	27	117
Pender	57,680	100	19,227	100	19,227	94	19227	99	28840	89	12818	78	395
Perquimans	14,176	16	1,181	16	1,772	24	3544	5	2363	73	7088	89	545
Person	39,459	44	1,973	58	3,288	7	2466	22	3587	70	6577	35	158
Pitt	176,109	81	3,914	67	3,828	43	4760	52	5681	88	12579	24	113
Polk	20,761	74	3,460	75	4,152	21	3460	95	20761	67	5932	52	221
Randolph	142,400	82	3,956	62	3,560	69	7495	73	8376	81	9128	10	73
Richmond	46,253	48	2,011	30	2,313	6	2434	32	4625	38	1989	82	453
Robeson	132,732	12	1,062	52	3,017	41	4577	26	4148	83	9905	45	186
Rockingham	91,872	42	1,955	23	2,042	12	2871	14	3062	56	4106	9	70
Rowan	140,170	70	2,803	56	3,260	17	3115	39	5191	62	4672	23	109
Rutherford	67,177	45	1,976	27	2,239	35	4199	49	5598	68	6109	29	120
Sampson	64,644	1	440	63	3,591	33	4040	37	4973	90	16161	72	330
Scotland	35,720	2	533	13	1,624	18	3247	21	3572	65	5757	55	230
Stanly	61,339	5	713	10	1,573	4	1917	1	1460	31	1256	16	92
Stokes	46,144	58	2,307	96	11,536	54	5768	89	11536	28	941	62	254
Surry	73,521	25	1,532	42	2,723	44	4901	90	12253	37	1868	38	171
Swain	14,829	36	1,854	6	1,348	8	2471	23	3707	9	216	36	161
Transylvania	33,845	46	1,991	90	5,641	73	8461	62	6769	3	128	71	316
Tyrrell	4,180	52	2,090	7	1,393	99	0	4	2090	22	555	74	348
Union	220,792	86	4,166	86	5,257	84	10514	77	9200	66	5857	20	102
Vance	45,022	27	1,667	44	2,814	91	15007	76	9004	74	7504	49	210
Wake	1,003,596	62	2,490	37	2,509	55	5801	50	5638	43	2409	14	79
Warren	20,458	84	4,092	73	4,092	66	6819	20	3410	75	7577	39	172
Washington	12,792	55	2,132	92	6,396	100	0	91	12792	24	668	76	388
Watauga	52,816	3	574	25	2,201	11	2780	17	3301	18	443	75	354
Wayne	125,800	93	5,718	61	3,544	59	5990	74	8986	61	4522	73	337
Wilkes	69,709	21	1,367	48	2,905	22	3485	71	7745	26	758	42	175
Wilson	84,553	28	1,726	32	2,349	63	6504	12	3020	60	4448	33	150
Yadkin	37,953	72	3,163	54	3,163	88	12651	78	9488	52	3182	34	151
Yancey	17,937	47	1,993	51	2,989	25	3587	30	4484	5	161	65	280

Table for Item I.2 – Activities Ranked by Percentage of the Public Participating		
	Percentage Responding	Points Awarded
Visiting a beach or lake	69%	15
Walking for Pleasure or Exercise	61%	
Visiting parks or Historical Sites	60%	
Hiking, Trails	59%	
Fishing - Freshwater, bank or pier	58%	
Viewing scenery	52%	
Fishing - Freshwater, boat	50%	
Nature viewing	50%	
Swimming, All types	50%	
Gardening	49%	13.5
Hunting, Gun	47%	
Shooting, Target Firing Range	46%	
Boating - Power, Freshwater	46%	
Canoeing, Kayaking	45%	
Picnicking	45%	
Fishing - Saltwater, on-shore or pier	45%	
Camping, Developed site	44%	
Fishing - Saltwater, boat	37%	
Outdoor Fairs Festivals	37%	12
Driving for Pleasure	34%	
Camping, Primitive	34%	
Backpacking	33%	
Visiting Zoos	33%	
Nature Photography	33%	
Shooting , Skeet	31%	
Bird Watching	31%	
Boating - Power, Saltwater	31%	
Open Space Park, Relaxing	30%	10.5
Archery	28%	
Bicycling, On-road	28%	
Jogging, Running for exercise (on and off-road)	26%	
Hunting, Bow	26%	
Golf, 18-hole, 9-hole, driving range	22%	
Bicycling, BMX or Off-Road	22%	
Playground Activities	22%	
Tubing	22%	
4WD, Other high-clearance vehicle	21%	9
Baseball, Softball	20%	
Water Parks	18%	
Golf, Miniature	18%	
Spectator Activities	18%	

Table for Item I.2 – Activities Ranked by Percentage of the Public Participating		
	Percentage Responding	Points Awarded
Dog Parks	17%	7.5
Frisbee, Disc Golf, Kite Flying	16%	
Activity Not Listed		
Quad or All-Terrain Vehicle Driving	15%	
Collecting (flowers, insects, rocks)	14%	
Water skiing, Jet skiing	13%	
Basketball, Outdoor	13%	
SCUBA/Snorkeling	13%	
Skiing, Down Hill	12%	
Tennis	11%	6
Horseback Riding, Trails	11%	
Horseback Riding, General	11%	
Soccer	10%	
Utility Terrain Vehicle, Mod. Golf Cart	9%	
Splash Pool, Sprayground	9%	
Volleyball, Badminton	9%	
Football (playing)	8%	
Rappelling, Rock Climbing	8%	
Geocaching	7%	4.5
Surfing, All Types	7%	
Motorized Trail Biking, Dirt Biking	7%	
Orienteering	6%	
Sailing, Saltwater	6%	
Sailing, Freshwater	5%	
Radio, Remote Control Models	5%	
CrossFit Training	5%	
Skiing, Cross Country, Snow Shoeing	5%	
Skateboarding	4%	3
Spelunking (Caves)	4%	
Rollerskating	3%	
Rollerblading, Inline skating	3%	
Swimming (Competitive)	3%	
Ice Skating, outside	3%	
Triathlon	3%	
Shuffleboard	2%	
Lacrosse	2%	
Windsurfing, Kitesurfing	1%	1.5
Rugby	1%	
Cricket	0.3%	

<b>Table for Item I.4 – Recreation Facilities Ranked as Urgently Needed by Local Recreation Managers</b>		
<b>Facility</b>	<b>Percentage</b>	<b>Points Awarded</b>
Unpaved trails for walking and hiking	59%	15
Paved trails for walking, hiking, skating or biking	52%	
Picnic shelters	52%	
Multi-use fields	52%	
Non-swimming water activities (splashpad, sprayground)	50%	
Playgrounds	44%	10
Soccer fields	43%	
Wildlife/nature observation sites	42%	
Swimming pools	42%	
Nature/interpretive centers	41%	
Picnic areas	41%	
Softball fields	39%	
Mountain bike trails	38%	
Non-motorized boating access (canoe, kayak)	38%	
Baseball fields	33%	
Tennis courts	28%	5
Natural park area/open space	26%	
Water parks	24%	
Basketball courts	22%	
Shore/bank fishing	22%	
Dog parks	20%	
Nature/interpretive trails	18%	
Camping facilities	18%	
Fishing piers	18%	
Skate parks	15%	
Volleyball courts	15%	
Football fields	14%	
Horseback riding trails	13%	
Motorized boat launching ramps	11%	
Golf courses	3%	
Facilities not listed		

# Project Evaluation Criteria for State Government



State of North Carolina

Department of Environment and Natural Resources

February 2015

## Scoring Summary

Category	Points Awarded by Type of Project		
	Acquiring Land	Developing Recreation Facilities	Both Land and Facilities
Planning	20	20	20
Public Involvement	7	7	7
Recreation Facilities	0	55	55
Site Considerations	5	5	5
Operation and Maintenance	15	15	15
Land Acquisition	15	0	15
Clientele Served	0	5	5
Consistency with the NC Outdoor Recreation Plan	35	35	35
Total Possible Points	97	142	157
Bonus: plus or minus 12 points for projects involving factors including partnerships, interconnected trail networks, access to public waters, as well as the quality of previous projects			

## LWCF Scoring System for State Government

Please provide all of the information requested for each item. Attach a separate page if more space is needed to address any item. Before beginning, please refer to the Definitions Section. A team of LWCF staff and regional consultants will evaluate each application based on the scoring system and make the final decision about the applicant's score.

<b>Applicant:</b>
<b>Project:</b>

### A. Planning: (20 possible points)

#### 3. Master Plan for the park and/or greenway system (10 points)

- a.  The applicant has a master plan or other formal planning document created or revised within the past five years for the project site and the project conforms to the plan. (9 points)

Date the plan was approved/accepted: \_\_\_\_\_ (1 point)

or

- b.  The applicant has a master plan or other formal planning document created or revised within the past six years to ten years for the project site and the project conforms to the plan. (4 points)

Date the plan was approved/accepted: \_\_\_\_\_ (1 point)

- c.  The applicant has a conceptual plan for this project.

Date the plan was produced: \_\_\_\_\_ (1 point)

#### Documentation Required:

- A copy of the plan that shows this project.

#### 4. State parks systemwide parks and recreation plan (7 points)

- The applicant has a Comprehensive Systemwide Parks and Recreation Plan produced or revised in the past 10 years and the project conforms to the plan. (6 points)

Date the plan was approved/accepted: \_\_\_\_\_ (1 point)

#### Documentation Required:

- A copy or web reference for the comprehensive systemwide parks and recreation plan.
- List the page number(s) and tab or highlight where the project is referenced in the plan.

#### 4. 3-5 year capital improvement plan for parks and recreation (3 points)

- The applicant a capital improvements and/or land acquisition plan for parks and recreation and the project is identified in the plan.

Date the plan was approved/accepted: \_\_\_\_\_ (3 points)

#### Documentation Required:

- A copy of the capital improvement and/or land acquisition plan.
- List the page number(s) and tab or highlight where the project is referenced in the plan.

**B. Level of public involvement in developing and supporting the project: (7 possible points)**

**1. Public meetings (5 points):**

- The applicant conducted a public meeting(s) exclusively for discussing the project and obtaining comments. The public supported the project.

Date of the meeting(s): \_\_\_\_\_

**Documentation Required:**

- Provide a title page that gives the name of applicant, the name of the project and identifies the document as "Public Meetings."

**2. Support from a parks and recreation board (2 points):**

- The applicant presented the project to the parks and recreation advisory board or a similarly appointed group and received a motion of support for the project.

Date of the meeting(s): \_\_\_\_\_

**Documentation Required:**

- Include a title page that gives the name of the applicant, the project and identifies the document as "Presentation to Advisory Board."
- A copy of the minutes from the meeting that include support for the project.

**C. Public recreational facilities provided by the project: (55 possible points)  
(Does not apply for applications proposing land acquisition only.)**

**4. The state agency will be building the first public facilities at this site. (20 points)**

- Yes  No

**Explain:**

**5. New, like or renovated facilities to be provided: (Maximum 30 points for the sum of 2a, 2b and 2c.)**

- a. The project will provide (check one):
- 3 or more types of new recreational facilities (20 points)
  - 2 types of new recreational facilities (15 points)
  - 1 type of new recreational facility (10 points)

**List the new types of recreational facilities:**

- b. The project will add recreational facilities at the park that are like the facilities that exist at the park. The project will add (check one):
- 3 or more types of recreational facilities (12 points)
  - 2 types of recreational facilities (8 points)
  - 1 type of recreational facility (4 points)

**List the types of recreational facilities:**

c. The project will provide major renovation of (check one):

- 3 or more types of recreational facilities (8 points)
- 2 types of recreational facilities (6 points)
- 1 type of recreational facility (4 points)

**List the recreational facilities to be renovated and why each renovation is needed:**

**6. The project will provide a trail or greenway (1/4 mile or longer) that links to existing recreation area(s), natural area(s), and/or communities. (5 points)**

- Yes       No

**Site plan must show trail linkage. Also, please identify by name and location the existing trail and areas to be linked by the proposed trail:**

**D. The suitability of the site for the proposed project. (5 possible points)**

- 6.  The site is suited for the proposed development with minimal adverse impact to the environment. (1 point)
- 7.  The location of the site enhances the park and the public's access to the park. Describe how the location of the site will enhance the park and the public's access to the park. (1 point)
- 8.  The site is enhanced by the adjacent property uses. Describe the uses of the adjacent property and how they will enhance the park. (1 point)
- 9.  The proposed site is large enough to adequately accommodate the proposed development. The proposed project will require minimal site preparation considering the geographic region where it is located. (1 point)
- 10.  The site is free of restrictive easements, overhead power lines, or other intrusions that would limit the proposed development or cause a safety hazard for users. (1 point)

**To be awarded these points, the applicant must adequately describe why the proposed project meets each of the five criteria. For land acquisition only projects, base comments on the proposed plan for developing the site after completing the LWCF project.**

**E. The applicant's commitment to operating and maintaining the project. (15 possible points)**

1.  The applicant has sufficient staff and/or resources to manage the site long term. (15 points)
2.  The applicant has a moderate amount of staff and/or resources to manage the site long term. (8 points)
3.  The applicant has minimal staff and/or resources to manage the site long term. (4 points)
4.  An organized volunteer group, such as a civic group or non-profit land trust will operate and maintain the site. (2 points)

**Provide the name of the organization that will operate and maintain the site:**

**Describe how and when the site will be open to the general public.**

**F. Land acquisition (15 possible points)**

1.  If not purchased at this time, a significant natural, cultural, recreational, scenic or highly-threatened resource will be used for other purposes. (15 points)
2.  The site is an excellent natural and/or recreational resource. (10 points)
3.  The site is an average natural and/or recreational resource. (5 points)

**Describe in detail why the site's resources should receive 5, 10, or 15 points:**

Not applicable for projects proposing facility development only.

**G. Clientele served and accessibility (5 possible points)**

3.  Proposed project is designed primarily for use by persons with disabilities. (3 points)
4.  Proposed project will renovate existing facility(s) to make them accessible to persons with disabilities. (2 points)

Not applicable for projects proposing land acquisition only.

**H. Consistency with SCORP priorities – Contribution to SCORP goals and objectives, public preferences for recreation activities, and recreation facility needs identified by recreation managers. (35 possible points)**

5.  Contribution to SCORP goals, objectives and initiatives (5 points)

Number of Objectives Addressed	Points Awarded
Five or Six	5
Four	4
Three	3
Two	2
One	1

Objective # 1: Meet the needs of North Carolina’s rapidly growing population by maintaining and enhancing its outdoor recreation resources;

Objective # 2: Support improvements in public health and fitness by increasing opportunities for physical activity;

Objective # 3: Improve the visibility of and public access to public recreation areas and foster cooperation between public recreation managers;

Objective # 4: Promote the economic advantages of the state’s recreation opportunities for communities across North Carolina;

Objective # 5: Promote and conserve North Carolina’s vast and high quality natural resources and landscapes;

Objective # 6: Increase public awareness of the state’s natural resources and outdoor recreation opportunities, to include the significance of conservation, through interpretation, education and outreach.

6.  Public preferences - Comparing LWCF Applications based on the public preferences for recreation. See the list of recreational activities ranked by public participation on page E - 33. (15 points)

Activity rank (from high to low) based on percentage of the public participating	Points Awarded
Highest ranked group	15
2 <sup>nd</sup> ranked group	13.5
3 <sup>rd</sup> ranked group	12
4 <sup>th</sup> ranked group	10.5
5 <sup>th</sup> group (or activity not listed)	9
6 <sup>th</sup> group	7.5
7 <sup>th</sup> group	6
8 <sup>th</sup> group	4.5
9 <sup>th</sup> group	3
10 <sup>th</sup> group	1.5

Applications proposing several types of activities with different points awarded will be averaged. For projects proposing only land acquisition, use only if land base for the recreational use is suitable.

7.  Recreation facility needs identified by recreation managers in North Carolina. Refer to the list of recreation facilities ranked as most urgently needed on page E - 34. (15 points)

<b>Recreation facilities and areas ranked (from high to low) based on priorities identified by recreation managers</b>	<b>Points Awarded</b>
Highest ranked group	15
2 <sup>nd</sup> ranked group	10
3 <sup>rd</sup> ranked group	5
4 <sup>th</sup> group (or activity not listed)	2

Applications proposing several types of activities with different points awarded will be averaged.

For projects proposing only land acquisition, use only if land base for the recreational use is suitable.

**I. Other positive or negative factors: (+ 12 or – 12 possible points)**

3. Positive Features ( + 12 points possible)

- a.  Application is a joint project between two or more units of government or the project is identified in a multi-jurisdictional parks and recreation plan adopted by the applicant(s). (+3 points)
- b.  Application is for an interconnected trail that links to an existing recreation area(s), school(s), businesses and/or communities located outside of the project site. (+2 points)
- c.  Project proposes new recreational facility to provide public access to public waters (such as river, ocean, sound, or lake). (+2 points)
- d.  Applicant has: developed quality outdoor recreation facilities and they are well maintained for public use.

or

Applicant has satisfactorily completed and complied with grant compliance guidelines on previous LWCF and/or PARTF projects. (+ 5 points)

4. Negative Feature(s) ( - 12 points possible)

- a.  State park unit in the application has an active LWCF grant (- 2 points)
- b.  Poor application documentation (poor maps/site plan, instructions not followed, missing documentation, unrealistic budget, inconsistencies, etc.) (-3 points)
- c.  Over half of the project's cost is for site preparation and/or support facilities (such as restrooms, roads, utilities, dredging, landscaping, etc.) (-2 points)
- d.  Applicant has history of poor quality and/or substandard maintenance and operation of their outdoor recreation facilities.

or

Below average compliance with grant guidelines and/or currently has an outstanding compliance problem with an existing or previous project. (-5 points)

Table for Item H.2 – Activities Ranked by Percentage of the Public Participating		
	Percentage Responding	Points Awarded
Visiting a beach or lake	69%	15
Walking for Pleasure or Exercise	61%	
Visiting parks or Historical Sites	60%	
Hiking, Trails	59%	
Fishing - Freshwater, bank or pier	58%	
Viewing scenery	52%	
Fishing - Freshwater, boat	50%	
Nature viewing	50%	
Swimming, All types	50%	
Gardening	49%	13.5
Hunting, Gun	47%	
Shooting, Target Firing Range	46%	
Boating - Power, Freshwater	46%	
Canoeing, Kayaking	45%	
Picnicking	45%	
Fishing - Saltwater, on-shore or pier	45%	
Camping, Developed site	44%	
Fishing - Saltwater, boat	37%	
Outdoor Fairs Festivals	37%	12
Driving for Pleasure	34%	
Camping, Primitive	34%	
Backpacking	33%	
Visiting Zoos	33%	
Nature Photography	33%	
Shooting , Skeet	31%	
Bird Watching	31%	
Boating - Power, Saltwater	31%	
Open Space Park, Relaxing	30%	10.5
Archery	28%	
Bicycling, On-road	28%	
Jogging, Running for exercise (on and off-road)	26%	
Hunting, Bow	26%	
Golf, 18-hole, 9-hole, driving range	22%	
Bicycling, BMX or Off-Road	22%	
Playground Activities	22%	
Tubing	22%	
4WD, Other high-clearance vehicle	21%	9
Baseball, Softball	20%	
Water Parks	18%	
Golf, Miniature	18%	
Spectator Activities	18%	

Table for Item H.2 – Activities Ranked by Percentage of the Public Participating		
	Percentage Responding	Points Awarded
Dog Parks	17%	7.5
Frisbee, Disc Golf, Kite Flying	16%	
Activity Not Listed		
Quad or All-Terrain Vehicle Driving	15%	
Collecting (flowers, insects, rocks)	14%	
Water skiing, Jet skiing	13%	
Basketball, Outdoor	13%	
SCUBA/Snorkeling	13%	
Skiing, Down Hill	12%	
Tennis	11%	6
Horseback Riding, Trails	11%	
Horseback Riding, General	11%	
Soccer	10%	
Utility Terrain Vehicle, Mod. Golf Cart	9%	
Splash Pool, Sprayground	9%	
Volleyball, Badminton	9%	
Football (playing)	8%	
Rappelling, Rock Climbing	8%	
Geocaching	7%	4.5
Surfing, All Types	7%	
Motorized Trail Biking, Dirt Biking	7%	
Orienteering	6%	
Sailing, Saltwater	6%	
Sailing, Freshwater	5%	
Radio, Remote Control Models	5%	
CrossFit Training	5%	
Skiing, Cross Country, Snow Shoeing	5%	
Skateboarding	4%	3
Spelunking (Caves)	4%	
Rollerskating	3%	
Rollerblading, Inline skating	3%	
Swimming (Competitive)	3%	
Ice Skating, outside	3%	
Triathlon	3%	
Shuffleboard	2%	
Lacrosse	2%	
Windsurfing, Kitesurfing	1%	1.5
Rugby	1%	
Cricket	0.3%	

<b>Table for Item H.3 – Recreation Facilities Ranked as Urgently Needed by Recreation Managers</b>		
<b>Facility</b>	<b>Percentage</b>	<b>Points Awarded</b>
Unpaved trails for walking and hiking	59%	15
Paved trails for walking, hiking, skating or biking	52%	
Picnic shelters	52%	
Multi-use fields	52%	
Non-swimming water activities (splashpad, sprayground)	50%	
Playgrounds	44%	10
Soccer fields	43%	
Wildlife/nature observation sites	42%	
Swimming pools	42%	
Nature/interpretive centers	41%	
Picnic areas	41%	
Softball fields	39%	
Mountain bike trails	38%	
Non-motorized boating access (canoe, kayak)	38%	
Baseball fields	33%	
Tennis courts	28%	
Natural park area/open space	26%	
Water parks	24%	
Basketball courts	22%	
Shore/bank fishing	22%	
Dog parks	20%	
Nature/interpretive trails	18%	
Camping facilities	18%	
Fishing piers	18%	
Skate parks	15%	
Volleyball courts	15%	
Football fields	14%	
Horseback riding trails	13%	
Motorized boat launching ramps	11%	
Golf courses	3%	2
Facilities not listed		